NATIONAL ANALYSIS

THE NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT (BASED ON 2005 DATA)

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CONTENTS

INTRODUCTION

The United States Environmental Protection Agency (EPA), in partnership with the States[1], biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The purpose of this 2005 National Biennial Report is to communicate the findings of EPA's 2005 hazardous waste reporting data collection efforts to the public, government agencies, and the regulated community. The 2005 National Biennial Report consists of three volumes of data:

- The ***National Analysis*** data presents a detailed look at waste-handling practices in the States, and largest facilities nationally, including (1) the quantity of waste generated, managed, shipped, and received, and interstate shipments and receipts, and (2) the number of generators and managing facilities,
- The ***State Detail Analysis*** data is a detailed look at each State's waste handling practices, including overall totals for generation, management, shipments, and receipts, as well as totals for the largest fifty facilities, and
- The ***List of Reported RCRA Sites*** identifies every hazardous waste facility in the United States that submitted a hazardous waste report in 2005.

RCRA HAZARDOUS WASTE

Throughout this Report, the term RCRA hazardous waste refers to solid waste assigned a Federal Hazardous Waste Code and regulated by RCRA. Some States elect to regulate wastes not specifically regulated by EPA; these wastes are assigned State Hazardous Waste Codes. For this Report EPA asked States to exclude data for waste with only State Hazardous Waste Codes (the waste description does not include any Federal Hazardous Waste Codes). The reader can find a more detailed explanation in the *RCRA Orientation Manual* (http://www.epa.gov/epaoswer/general/orientat/) and in the Code of Federal Regulations in 40 CFR Parts 260 and 261. Please refer to Appendix D of this Report for a complete list of EPA Hazardous Waste Codes used by the regulated community for their 2005 Biennial Report submissions. Details about the information submitted by the regulated community can be found in the *2005 Hazardous Waste Report Instructions and Forms* (http://www.epa.gov/epaoswer/hazwaste/data/br05/forms.htm). Guidance provided to the regulated community regarding information to include or exclude from the National report can be found in Appendix E.

[1]The term "State" includes the District of Columbia, Puerto Rico, Guam, the Navajo Nation, the Trust Territories, and the Virgin Islands, in addition to the 50 United States.

RCRA Hazardous Waste Generation

RCRA hazardous waste generation information is obtained from data reported by RCRA large quantity generators (LQGs). A generator is defined as a Federal large quantity generator if:

- the generator generated in any single month 1,000 kg (2,200 pounds or 1.1 tons) or more of RCRA hazardous waste; or

- the generator generated in any single month, or accumulated at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or

- the generator generated, or accumulated at any time, more than 100 kg (220 pounds) of spill cleanup material contaminated with RCRA acute hazardous waste.

All facilities that were LQGs in 2005 are required to provide EPA with 2005 waste generation and management information. It is important to note that the generators identified in this Report have been included based on the most current information made available to EPA by the States. However, the generator counts may include some generators that, when determining whether they were LQGs, used a lower State-defined threshold for LQGs, counted wastes regulated only by their States, or counted wastes exempt from Federal regulation. Hazardous waste received from off site for storage/bulking and subsequently transferred off site for treatment or disposal is excluded from generation quantities in this Report.

RCRA Hazardous Waste Management

RCRA hazardous waste management information is obtained from data reported by facilities that treated, stored, or disposed of RCRA hazardous wastes on site during 2005. Only wastes that were treated or disposed of in 2005 are included in the management quantities in this Report. Hazardous wastes that are stored, bulked and/or transferred off site with no prior treatment/recovery, fuel blending, or disposal at the site, are excluded from the management quantities in this Report.

RCRA Hazardous Waste Shipments and Receipts

RCRA hazardous waste shipment information is obtained from data reported by both RCRA LQGs and facilities that treated, stored, or disposed of RCRA hazardous wastes on site during 2005. RCRA hazardous waste receipt information is obtained from data reported by facilities that treated, stored, or disposed of RCRA hazardous wastes on site during 2005. All reported shipments identified by the State, or implementing EPA office, for inclusion in the National Biennial Report are included in the waste shipment quantities in this Report, even if the waste was shipped to a transfer facility. In some instances, waste is transferred within a physical location that has more than one EPA Identification Number. These waste transfers are treated as shipments.

RCRA hazardous waste interstate shipment quantities include wastes generated in one State and shipped to a receiver in a different State, excluding shipments to a foreign country. Interstate shipments are calculated from information provided by waste shippers. RCRA hazardous waste interstate receipts include all wastes received by a State which differs from the State of origin, excluding foreign imports. RCRA hazardous waste interstate receipts are calculated from information provided by the facilities that received the wastes.

The Data Presented in this National Biennial Report

It is the responsibility of individual States or implementing EPA offices to properly identify data that is to be included in or excluded from the National Biennial Report. For this 2005 National Biennial RCRA Hazardous Waste Report, EPA has included all data that was identified by the State or implementing EPA office for inclusion in the Report, with the following two (2) exceptions:

1) hazardous waste received from off site for storage/bulking and subsequently transferred off site for treatment or disposal is excluded from generation quantities; and

2) hazardous waste that is stored, bulked, and/or transferred off site with no prior treatment/recovery, fuel blending, or disposal at the site is excluded from management quantities.

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Exhibit 1.1 Quantity of RCRA Hazardous Waste Generated and Number of Hazardous Waste Generators, by State, 2005

State	Hazardous Waste Quantity			Number of Generators			Reported Status	
	Rank	Tons Generated	Percentage	Rank	Number	Percentage	LQG	Non-LQG
ALABAMA	11	874,749	2.3	23	235	1.5	234	1
ALASKA	50	2,356	0.0	46	37	0.2	25	12
ARIZONA	40	24,294	0.1	26	194	1.2	194	0
ARKANSAS	16	443,735	1.2	28	163	1.0	163	0
CALIFORNIA	13	747,221	1.9	1	2,235	13.8	2,090	145
COLORADO	29	95,475	0.2	34	119	0.7	107	12
CONNECTICUT	35	43,980	0.1	18	297	1.8	283	14
DELAWARE	41	14,441	0.0	43	52	0.3	49	3
DISTRICT OF COLUMBIA	53	281	0.0	50	15	0.1	15	0
FLORIDA	22	237,078	0.6	14	345	2.1	322	23
GEORGIA	15	480,269	1.3	19	294	1.8	294	0
GUAM	54	139	0.0	49	18	0.1	12	6
HAWAII	51	1,458	0.0	48	31	0.2	22	9
IDAHO	39	25,924	0.1	46	37	0.2	24	13
ILLINOIS	5	1,164,127	3.0	5	843	5.2	698	145
INDIANA	8	1,017,416	2.7	9	539	3.3	539	0
IOWA	34	52,708	0.1	31	154	1.0	130	24
KANSAS	23	229,151	0.6	25	213	1.3	169	44
KENTUCKY	6	1,152,075	3.0	16	331	2.0	302	29
LOUISIANA	2	5,460,262	14.2	14	345	2.1	341	4
MAINE	46	4,130	0.0	39	73	0.5	65	8
MARYLAND	37	39,715	0.1	33	122	0.8	120	2
MASSACHUSETTS	18	372,703	1.0	10	484	3.0	437	47
MICHIGAN	20	295,807	0.8	7	716	4.4	561	155
MINNESOTA	21	249,503	0.7	23	235	1.5	232	3
MISSISSIPPI	4	1,599,450	4.2	32	130	0.8	130	0
MISSOURI	30	89,842	0.2	21	254	1.6	230	24
MONTANA	43	7,218	0.0	44	42	0.3	42	0
NAVAJO NATION	55	91	0.0	54	3	0.0	2	1
NEBRASKA	38	30,901	0.1	37	86	0.5	56	30
NEVADA	42	12,947	0.0	39	73	0.5	71	2
NEW HAMPSHIRE	45	6,126	0.0	30	159	1.0	113	46
NEW JERSEY	9	993,071	2.6	8	656	4.1	655	1
NEW MEXICO	10	944,636	2.5	45	41	0.3	38	3
NEW YORK	7	1,124,198	2.9	2	1,036	6.4	876	160
NORTH CAROLINA	17	384,112	1.0	12	431	2.7	401	30
NORTH DAKOTA	14	549,686	1.4	53	13	0.1	13	0
OHIO	3	2,145,356	5.6	3	1,016	6.3	891	125
OKLAHOMA	24	211,939	0.6	29	162	1.0	162	0
OREGON	36	40,332	0.1	27	176	1.1	176	0
PENNSYLVANIA	19	360,820	0.9	6	747	4.6	728	19
PUERTO RICO	31	87,501	0.2	37	86	0.5	86	0
RHODE ISLAND	44	6,292	0.0	36	95	0.6	78	17
SOUTH CAROLINA	25	177,734	0.5	20	277	1.7	249	28
SOUTH DAKOTA	52	992	0.0	52	14	0.1	14	0
TENNESSEE	12	776,095	2.0	17	324	2.0	323	1
TEXAS	1	15,224,158	39.7	4	881	5.4	881	0
TRUST TERRITORIES	56	8	0.0	55	1	0.0	1	0
UTAH	32	78,101	0.2	41	71	0.4	71	0
VERMONT	47	3,451	0.0	42	56	0.3	38	18
VIRGIN ISLANDS	49	2,628	0.0	55	1	0.0	1	0
VIRGINIA	27	134,416	0.4	22	253	1.6	253	0
WASHINGTON	26	141,918	0.4	13	390	2.4	390	0
WEST VIRGINIA	33	72,602	0.2	35	107	0.7	107	0
WISCONSIN	28	108,327	0.3	11	468	2.9	468	0
WYOMING	48	3,067	0.0	50	15	0.1	12	3
Total		**38,347,011**	**100.0**		**16,191**	**100.0**	**14,984**	**1,207**

Note: Columns may not sum due to rounding.

Exhibit 1.2 Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Generated and Number of Hazardous Waste Generators, 2005

State	Hazardous Waste Quantity			Number of Generators			Reported Status	
	Rank	Tons Generated	Percentage	Rank	Number	Percentage	LQG	Non-LQG
TEXAS	1	15,224,158	39.7	4	881	5.4	881	0
LOUISIANA	2	5,460,262	14.2	14	345	2.1	341	4
OHIO	3	2,145,356	5.6	3	1,016	6.3	891	125
MISSISSIPPI	4	1,599,450	4.2	32	130	0.8	130	0
ILLINOIS	5	1,164,127	3.0	5	843	5.2	698	145
KENTUCKY	6	1,152,075	3.0	16	331	2.0	302	29
NEW YORK	7	1,124,198	2.9	2	1,036	6.4	876	160
INDIANA	8	1,017,416	2.7	9	539	3.3	539	0
NEW JERSEY	9	993,071	2.6	8	656	4.1	655	1
NEW MEXICO	10	944,636	2.5	45	41	0.3	38	3
ALABAMA	11	874,749	2.3	23	235	1.5	234	1
TENNESSEE	12	776,095	2.0	17	324	2.0	323	1
CALIFORNIA	13	747,221	1.9	1	2,235	13.8	2,090	145
NORTH DAKOTA	14	549,686	1.4	53	13	0.1	13	0
GEORGIA	15	480,269	1.3	19	294	1.8	294	0
ARKANSAS	16	443,735	1.2	28	163	1.0	163	0
NORTH CAROLINA	17	384,112	1.0	12	431	2.7	401	30
MASSACHUSETTS	18	372,703	1.0	10	484	3.0	437	47
PENNSYLVANIA	19	360,820	0.9	6	747	4.6	728	19
MICHIGAN	20	295,807	0.8	7	716	4.4	561	155
MINNESOTA	21	249,503	0.7	23	235	1.5	232	3
FLORIDA	22	237,078	0.6	14	345	2.1	322	23
KANSAS	23	229,151	0.6	25	213	1.3	169	44
OKLAHOMA	24	211,939	0.6	29	162	1.0	162	0
SOUTH CAROLINA	25	177,734	0.5	20	277	1.7	249	28
WASHINGTON	26	141,918	0.4	13	390	2.4	390	0
VIRGINIA	27	134,416	0.4	22	253	1.6	253	0
WISCONSIN	28	108,327	0.3	11	468	2.9	468	0
COLORADO	29	95,475	0.2	34	119	0.7	107	12
MISSOURI	30	89,842	0.2	21	254	1.6	230	24
PUERTO RICO	31	87,501	0.2	37	86	0.5	86	0
UTAH	32	78,101	0.2	41	71	0.4	71	0
WEST VIRGINIA	33	72,602	0.2	35	107	0.7	107	0
IOWA	34	52,708	0.1	31	154	1.0	130	24
CONNECTICUT	35	43,980	0.1	18	297	1.8	283	14
OREGON	36	40,332	0.1	27	176	1.1	176	0
MARYLAND	37	39,715	0.1	33	122	0.8	120	2
NEBRASKA	38	30,901	0.1	37	86	0.5	56	30
IDAHO	39	25,924	0.1	46	37	0.2	24	13
ARIZONA	40	24,294	0.1	26	194	1.2	194	0
DELAWARE	41	14,441	0.0	43	52	0.3	49	3
NEVADA	42	12,947	0.0	39	73	0.5	71	2
MONTANA	43	7,218	0.0	44	42	0.3	42	0
RHODE ISLAND	44	6,292	0.0	36	95	0.6	78	17
NEW HAMPSHIRE	45	6,126	0.0	30	159	1.0	113	46
MAINE	46	4,130	0.0	39	73	0.5	65	8
VERMONT	47	3,451	0.0	42	56	0.3	38	18
WYOMING	48	3,067	0.0	50	15	0.1	12	3
VIRGIN ISLANDS	49	2,628	0.0	55	1	0.0	1	0
ALASKA	50	2,356	0.0	46	37	0.2	25	12
HAWAII	51	1,458	0.0	48	31	0.2	22	9
SOUTH DAKOTA	52	992	0.0	52	14	0.1	14	0
DISTRICT OF COLUMBIA	53	281	0.0	50	15	0.1	15	0
GUAM	54	139	0.0	49	18	0.1	12	6
NAVAJO NATION	55	91	0.0	54	3	0.0	2	1
TRUST TERRITORIES	56	8	0.0	55	1	0.0	1	0
Total		**38,347,011**	**100.0**		**16,191**	**100.0**	**14,984**	**1,207**

Note: Columns may not sum due to rounding.

Exhibit 1.3 Rank Ordering of States Based on Number of Hazardous Waste Generators and Quantity of RCRA Hazardous Waste Generated, 2005

State	Number of Generators			Hazardous Waste Quantity			Reported Status	
	Rank	Number	Percentage	Rank	Tons Generated	Percentage	LQG	Non-LQG
CALIFORNIA	1	2,235	13.8	13	747,221	1.9	2,090	145
NEW YORK	2	1,036	6.4	7	1,124,198	2.9	876	160
OHIO	3	1,016	6.3	3	2,145,356	5.6	891	125
TEXAS	4	881	5.4	1	15,224,158	39.7	881	0
ILLINOIS	5	843	5.2	5	1,164,127	3.0	698	145
PENNSYLVANIA	6	747	4.6	19	360,820	0.9	728	19
MICHIGAN	7	716	4.4	20	295,807	0.8	561	155
NEW JERSEY	8	656	4.1	9	993,071	2.6	655	1
INDIANA	9	539	3.3	8	1,017,416	2.7	539	0
MASSACHUSETTS	10	484	3.0	18	372,703	1.0	437	47
WISCONSIN	11	468	2.9	28	108,327	0.3	468	0
NORTH CAROLINA	12	431	2.7	17	384,112	1.0	401	30
WASHINGTON	13	390	2.4	26	141,918	0.4	390	0
FLORIDA	14	345	2.1	22	237,078	0.6	322	23
LOUISIANA	14	345	2.1	2	5,460,262	14.2	341	4
KENTUCKY	16	331	2.0	6	1,152,075	3.0	302	29
TENNESSEE	17	324	2.0	12	776,095	2.0	323	1
CONNECTICUT	18	297	1.8	35	43,980	0.1	283	14
GEORGIA	19	294	1.8	15	480,269	1.3	294	0
SOUTH CAROLINA	20	277	1.7	25	177,734	0.5	249	28
MISSOURI	21	254	1.6	30	89,842	0.2	230	24
VIRGINIA	22	253	1.6	27	134,416	0.4	253	0
ALABAMA	23	235	1.5	11	874,749	2.3	234	1
MINNESOTA	23	235	1.5	21	249,503	0.7	232	3
KANSAS	25	213	1.3	23	229,151	0.6	169	44
ARIZONA	26	194	1.2	40	24,294	0.1	194	0
OREGON	27	176	1.1	36	40,332	0.1	176	0
ARKANSAS	28	163	1.0	16	443,735	1.2	163	0
OKLAHOMA	29	162	1.0	24	211,939	0.6	162	0
NEW HAMPSHIRE	30	159	1.0	45	6,126	0.0	113	46
IOWA	31	154	1.0	34	52,708	0.1	130	24
MISSISSIPPI	32	130	0.8	4	1,599,450	4.2	130	0
MARYLAND	33	122	0.8	37	39,715	0.1	120	2
COLORADO	34	119	0.7	29	95,475	0.2	107	12
WEST VIRGINIA	35	107	0.7	33	72,602	0.2	107	0
RHODE ISLAND	36	95	0.6	44	6,292	0.0	78	17
NEBRASKA	37	86	0.5	38	30,901	0.1	56	30
PUERTO RICO	37	86	0.5	31	87,501	0.2	86	0
MAINE	39	73	0.5	46	4,130	0.0	65	8
NEVADA	39	73	0.5	42	12,947	0.0	71	2
UTAH	41	71	0.4	32	78,101	0.2	71	0
VERMONT	42	56	0.3	47	3,451	0.0	38	18
DELAWARE	43	52	0.3	41	14,441	0.0	49	3
MONTANA	44	42	0.3	43	7,218	0.0	42	0
NEW MEXICO	45	41	0.3	10	944,636	2.5	38	3
ALASKA	46	37	0.2	50	2,356	0.0	25	12
IDAHO	46	37	0.2	39	25,924	0.1	24	13
HAWAII	48	31	0.2	51	1,458	0.0	22	9
GUAM	49	18	0.1	54	139	0.0	12	6
DISTRICT OF COLUMBIA	50	15	0.1	53	281	0.0	15	0
WYOMING	50	15	0.1	48	3,067	0.0	12	3
SOUTH DAKOTA	52	14	0.1	52	992	0.0	14	0
NORTH DAKOTA	53	13	0.1	14	549,686	1.4	13	0
NAVAJO NATION	54	3	0.0	55	91	0.0	2	1
TRUST TERRITORIES	55	1	0.0	56	8	0.0	1	0
VIRGIN ISLANDS	55	1	0.0	49	2,628	0.0	1	0
Total		**16,191**	**100.0**		**38,347,011**	**100.0**	**14,984**	**1,207**

Note: Columns may not sum due to rounding.

Exhibit 1.4 Fifty Largest RCRA Hazardous Waste Generators in the U.S., 2005

Rank	EPA ID	Name	City	Tons Generated
1	TXD001700806	SOLUTIA INC	ALVIN, TX	4,381,877
2	LAD008213191	RUBICON LLC	GEISMAR, LA	2,101,797
3	LAD008175390	CYTEC INDUSTRIES INC.	WAGGAMAN, LA	1,837,655
4	TXD059685339	DIAMOND SHAMROCK REFINING COMPANY LP	SUNRAY, TX	1,805,840
5	TXD008081101	E I DU PONT DE NEMOURS AND COMPANY	BEAUMONT, TX	1,437,706
6	TXD008080533	BP PRODUCTS NORTH AMERICA INC	TEXAS CITY, TX	1,288,604
7	MSD096046792	E.I. DU PONT DE NEMOURS AND CO	PASS CHRISTIAN, MS	1,253,059
8	OHD042157644	INNOVENE USA LLC	LIMA, OH	1,089,494
9	TXD000751172	INEOS USA LLC	PORT LAVACA, TX	1,014,153
10	NMD048918817	NAVAJO REFINING COMPANY, LLP	ARTESIA, NM	940,622
11	NYD000707901	IBM EAST FISHKILL FACILITY	HOPEWELL JUNCTION, NY	885,530
12	KYD055831838	AIR PRODUCTS AND CHEMICALS, INC.	CALVERT CITY, KY	808,486
13	TXD008081697	BASF CORPORATION	FREEPORT, TX	806,403
14	TXR000057968	INVISTA SARL	VICTORIA, TX	798,378
15	TXD083472266	LYONDELL CHEMICAL COMPANY	CHANNELVIEW, TX	681,976
16	NJD980753875	SOLVAY SOLEXIS, INC.	THOROFARE, NJ	678,327
17	NDD006175467	TESORO REFINING AND MARKETING COMPANY	MANDAN, ND	548,686
18	TXR000057752	INVISTA SARL	ORANGE, TX	539,142
19	TXD008106999	MERISOL USA LLC	HOUSTON, TX	486,992
20	ALD046481032	SANDERS LEAD COMPANY, INC.	TROY, AL	476,024
21	ILD042075333	CABOT CORP	TUSCOLA, IL	435,037
22	IND003913423	ISG BURNS HARBOR LLC	BURNS HARBOR, IN	383,126
23	LAR000018333	LYONDELL CHEMICAL COMPANY	WESTLAKE, LA	366,360
24	TXD000838896	VEOLIA ES TECHNICAL SOLUTIONS LLC	PORT ARTHUR, TX	322,777
25	MSD033417031	FIRST CHEMICAL CORPORATION	PASCAGOULA, MS	316,906
26	NCD057454670	ELEMENTIS CHROMIUM, L.P.	CASTLE HAYNE, NC	292,956
27	TXD078432457	CELANESE LTD	PASADENA, TX	261,176
28	GAD003264421	SOUTHWIRE COMPANY	CARROLLTON, GA	249,227
29	TND982132045	KOHLER COMPANY-SHOWER DOOR OPERATION	UNION CITY, TN	235,679
30	MND006148092	GOPHER RESOURCE CORPORATION	EAGAN, MN	199,631
31	FLR000068007	K.C. INDUSTRIES, L.L.C., MULBERRY, FLORI	MULBERRY, FL	183,154
32	LAR000041087	LCCC	WESTLAKE, LA	179,750
33	OHD004254132	CHEVRON ENVIRONMENTAL MANAGEMENT CO	HOOVEN, OH	175,013
34	IND006050967	ELI LILLY & CO-TIPPECANOE LABS	LAFAYETTE, IN	169,579
35	TND003376928	EASTMAN CHEMICAL COMPANY, TENNESSEE OPE	KINGSPORT, TN	166,066
36	ILD005210216	US PLATING CORP	CHICAGO, IL	156,045
37	LAD000777201	CHEMICAL WASTE MANAGEMENT	SULPHUR, LA	148,190
38	CAL000097718	ROCK CREEK POWERHOUSE	OROVILLE, CA	147,151
39	ILD010284248	CID RECYCLING & DISPOSAL FAC	CALUMET CITY, IL	147,025
40	LAR000057828	CYRO INDUSTRIES METHYL METHACRYLATE UNI	WAGGAMAN, LA	141,885
41	OKD079981874	GABRIEL RIDE CONTROL PRODUCTS, INC.	CHICKASHA, OK	136,393
42	ALD004019642	OCCIDENTAL CHEMICAL CORPORATION	MUSCLE SHOALS, AL	132,365
43	LAD020597597	ANGUS CHEMICAL COMPANY	STERLINGTON, LA	130,956
44	ARD006354161	REYNOLDS METALS COMPANY	ARKADELPHIA, AR	125,175
45	ILD000805812	PEORIA DISPOSAL CO INC	PEORIA, IL	124,475
46	TXD008092793	THE DOW CHEMICAL COMPANY	FREEPORT, TX	123,453
47	OHD055829022	FORMER SK WELLMAN SITE / EGBERT CORP	BEDFORD, OH	120,006
48	KSD980633259	SYSTECH ENVIRONMENTAL CORP	FREDONIA, KS	105,665
49	LAD040776809	BASF CORPORATION	GEISMAR, LA	100,965
50	TXD087491973	ASARCO LLC	AMARILLO, TX	100,417
Total				**29,737,354**

Note: Column may not sum due to rounding

Exhibit 1.5 Number of Hazardous Waste Generators by Generator Quantity Range, 2005

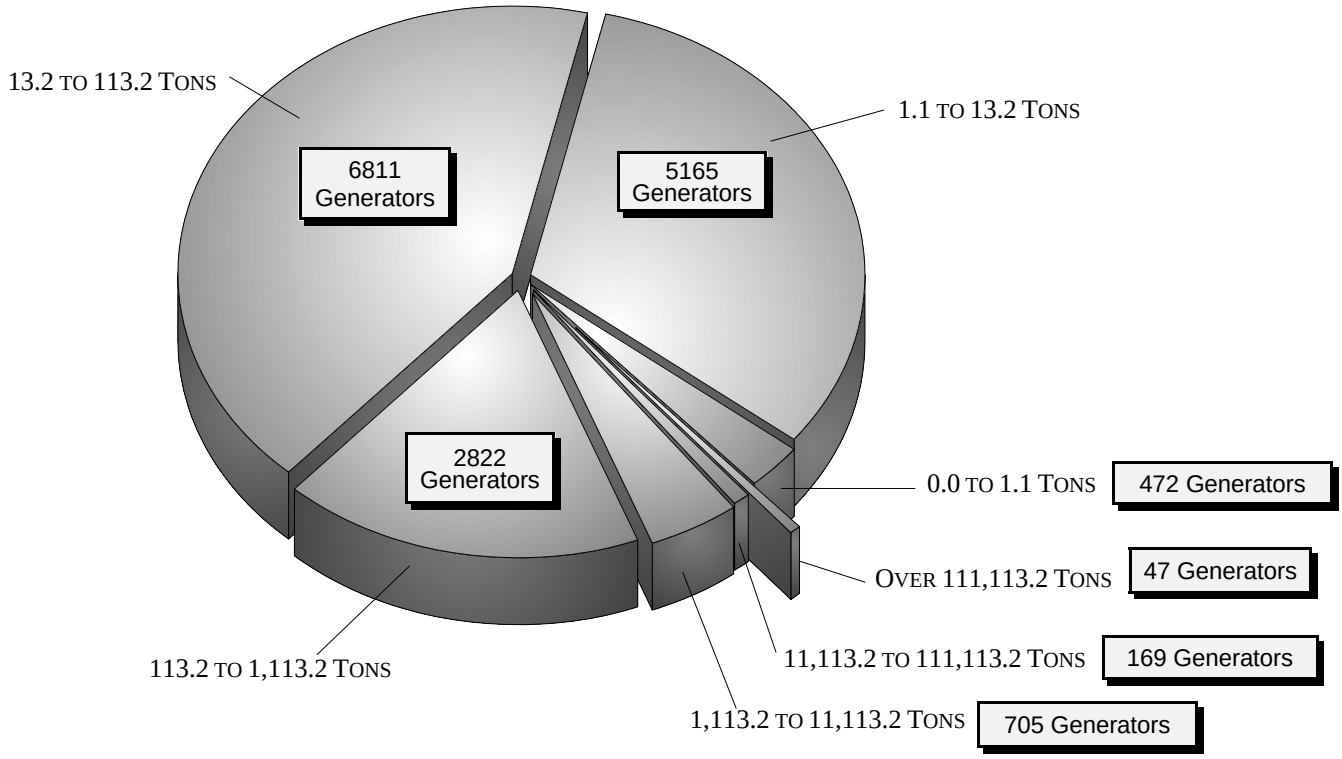

Exhibit 1.6 Percentages of National Generation Total That Were Characteristic, Listed, or Both Characteristic and Listed Waste, 2005

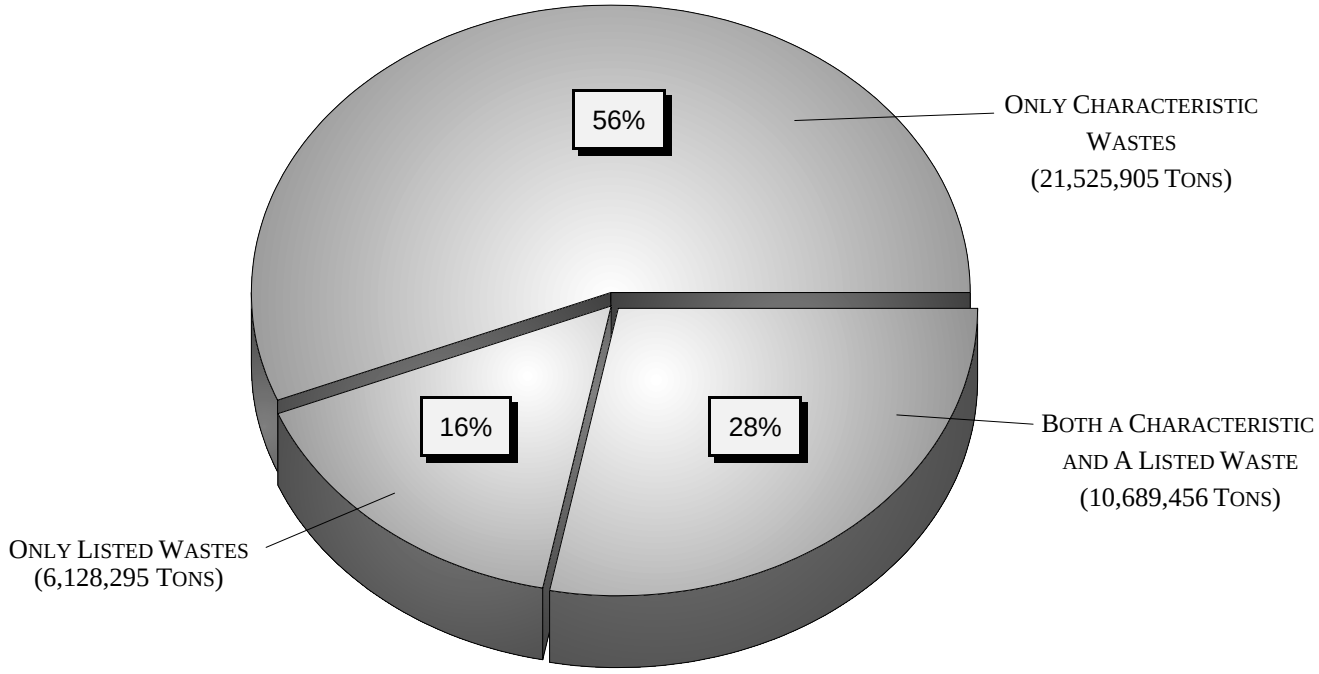

Exhibit 1.7 Tons of Generated Waste That Were Only Characteristic Waste, Only Listed Waste, or Both Characteristic and Listed Waste, 2005

Only Characteristic Wastes		Only Listed Wastes		Both a Characteristic and a Listed Waste	
ONLY IGNITABLE	608,709	ONLY AN F CODE	1,230,942		
ONLY CORROSIVE	3,148,080	ONLY A K CODE	2,733,055		
ONLY REACTIVE	80,370	ONLY A P CODE	163,102		
ONLY D004-17	2,277,544	ONLY A U CODE	118,498		
ONLY D018-43	5,367,205				
HAS MORE THAN ONE CHARACTERISTIC CODE	10,043,996	HAS MORE THAN ONE LISTED CODE	1,882,698		
TOTAL	**21,525,905**	**TOTAL**	**6,128,295**	**Both Characteristic and Listed**	**10,689,456**

Note: All quantities are in tons.

Exhibit 1.8 Tons of Generated Waste with Multiple Characteristics, That Were Multiply Listed, or Both, 2005

Only Characteristic Wastes But With Multiple Characteristics		Only Listed Wastes But Multiply Listed		Both Characteristic and Listed Wastes [1]	
HAS IGNITABLE CODE	2,808,901			IGNITABLE CODE W/ AT LEAST ONE LISTED CODE	1,926,678
HAS CORROSIVE CODE	6,293,415			CORROSIVE CODE W/ AT LEAST ONE LISTED CODE	5,069,060
HAS REACTIVE CODE	2,399,507			REACTIVE CODE W/ AT LEAST ONE LISTED CODE	2,553,393
HAS D004-17 CODE	4,268,899			D004-17 CODE W/ AT LEAST ONE LISTED CODE	3,745,489
HAS D018-43 CODE	5,916,324			D018-43 CODE W/ AT LEAST ONE LISTED CODE	5,070,162
		HAS F CODE	1,576,995	F WASTE W/ AT LEAST ONE CHARACTERISTIC CODE	4,138,093
		HAS K CODE	1,859,337	K WASTE W/ AT LEAST ONE CHARACTERISTIC CODE	8,219,628
		HAS P CODE	104,070	P WASTE W/ AT LEAST ONE CHARACTERISTIC CODE	1,475,086
		HAS U CODE	515,490	U WASTE W/ AT LEAST ONE CHARACTERISTIC CODE	3,543,952
TOTAL	**10,043,996**	**TOTAL**	**1,882,698**	**TOTAL**	**10,689,456**

[1] Listed wastes with ignitable, corrosive, reactive, D004-17 (Toxic), or D018-43 (Toxic) characteristics respectively may have other characteristics as well. Similarly, characteristic wastes that are also F, K, P, or U listed wastes respectively may be other listed wastes as well.

Note: All quantities are in tons.
Columns do not sum to total because wastes may be included in more than one category.

Exhibit 1.9 Fifty Largest Quantities of Hazardous Waste Generated, by Primary NAICS Code in the U.S., 2005

Rank	NAICS Code	Description	Tons Generated
1	3251	Basic Chemical Manufacturing	21,082,216
2	3241	Petroleum and Coal Products Manufacturing	5,083,753
3	3252	Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing	1,825,181
4	5622	Waste Treatment and Disposal	1,753,682
5	3311	Iron and Steel Mills and Ferroalloy Manufacturing	1,486,675
6	3344	Semiconductor and Other Electronic Component Manufacturing	992,437
7	3314	Nonferrous Metal (except Aluminum) Production and Processing	939,050
8	3328	Coating, Engraving, Heat Treating, and Allied Activities	531,812
9	3254	Pharmaceutical and Medicine Manufacturing	513,768
10	5629	Remediation and Other Waste Management Services	373,958
11	3313	Alumina and Aluminum Production and Processing	342,883
12	3359	Other Electrical Equipment and Component Manufacturing	333,213
13	3363	Motor Vehicle Parts Manufacturing	301,837
14	2211	Electric Power Generation, Transmission and Distribution	182,897
15	3255	Paint, Coating, and Adhesive Manufacturing	164,464
16	5621	Waste Collection	155,920
17	3259	Other Chemical Product and Preparation Manufacturing	148,594
18	3329	Other Fabricated Metal Product Manufacturing	143,145
19	4931	Warehousing and Storage	139,730
20	9281	National Security and International Affairs	118,372
21	3321	Forging and Stamping	115,439
22	4246	Chemical and Allied Products Merchant Wholesalers	107,081
23	3253	Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing	95,288
24	3325	Hardware Manufacturing	88,129
25	3364	Aerospace Product and Parts Manufacturing	76,711
26	3312	Steel Product Manufacturing from Purchased Steel	75,224
27	3211	Sawmills and Wood Preservation	66,187
28	5614	Business Support Services	47,899
29	3221	Pulp, Paper, and Paperboard Mills	47,125
30	3261	Plastics Product Manufacturing	46,449
31	3231	Printing and Related Support Activities	43,908
32	3361	Motor Vehicle Manufacturing	42,593
33	3322	Cutlery and Handtool Manufacturing	35,884
34	4883	Support Activities for Water Transportation	35,512
35	3399	Other Miscellaneous Manufacturing	31,809
36	3256	Soap, Cleaning Compound, and Toilet Preparation Manufacturing	30,948
37	4239	Miscellaneous Durable Goods Merchant Wholesalers	30,743
38	3315	Foundries	30,270
39	4884	Support Activities for Road Transportation	28,928
40	4812	Nonscheduled Air Transportation	26,172
41	6113	Colleges, Universities, and Professional Schools	26,155
42	4881	Support Activities for Air Transportation	22,791
43	5417	Scientific Research and Development Services	22,166
44	4413	Automotive Parts, Accessories, and Tire Stores	18,478
45	3222	Converted Paper Product Manufacturing	18,117
46	2122	Metal Ore Mining	16,276
47	4831	Deep Sea, Coastal, and Great Lakes Water Transportation	16,161
48	4226	Chemical and Allied Products Wholesalers	15,999
49	9211	Executive, Legislative, and Other General Government Support	15,897
50	3336	Engine, Turbine, and Power Transmission Equipment Manufacturing	15,640
Total			**37,903,569**

Note: Column may not sum due to rounding

Exhibit 2.1 Quantity of RCRA Hazardous Waste Managed and Number of RCRA Management Facilities, by State, 2005

State	Hazardous Waste Quantity			Number of Facilities			Reported Status	
	Rank	Tons Managed	Percentage	Rank	Number	Percentage	TSDF	Non-TSDF
ALABAMA	12	955,711	2.2	20	29	1.9	10	19
ALASKA	43	33,567	0.1	44	3	0.2	2	1
ARIZONA	42	34,121	0.1	34	10	0.6	6	4
ARKANSAS	17	596,549	1.4	21	28	1.8	11	17
CALIFORNIA	3	2,083,754	4.7	1	135	8.7	64	71
COLORADO	33	105,157	0.2	26	20	1.3	6	14
CONNECTICUT	44	17,056	0.0	30	15	1.0	7	8
DELAWARE	48	534	0.0	43	5	0.3	1	4
DISTRICT OF COLUMBIA	53	0	0.0	53	0	0.0	0	0
FLORIDA	6	1,481,638	3.4	14	43	2.8	15	28
GEORGIA	15	862,647	2.0	9	52	3.4	13	39
GUAM	52	1	0.0	50	1	0.1	1	0
HAWAII	50	6	0.0	48	2	0.1	0	2
IDAHO	31	114,245	0.3	44	3	0.2	2	1
ILLINOIS	9	1,199,813	2.7	17	32	2.1	13	19
INDIANA	7	1,313,125	3.0	12	45	2.9	14	31
IOWA	47	786	0.0	25	21	1.4	3	18
KANSAS	10	1,129,142	2.6	23	25	1.6	7	18
KENTUCKY	11	1,089,239	2.5	8	53	3.4	12	41
LOUISIANA	2	5,471,449	12.5	14	43	2.8	25	18
MAINE	46	1,080	0.0	29	17	1.1	1	16
MARYLAND	32	111,112	0.3	38	8	0.5	4	4
MASSACHUSETTS	25	324,393	0.7	12	45	2.9	7	38
MICHIGAN	20	422,586	1.0	24	22	1.4	13	9
MINNESOTA	26	306,216	0.7	28	18	1.2	8	10
MISSISSIPPI	5	1,902,007	4.3	34	10	0.6	4	6
MISSOURI	23	339,520	0.8	22	26	1.7	13	13
MONTANA	45	1,256	0.0	44	3	0.2	1	2
NAVAJO NATION	53	0	0.0	53	0	0.0	0	0
NEBRASKA	41	35,012	0.1	38	8	0.5	2	6
NEVADA	37	58,939	0.1	41	7	0.5	6	1
NEW HAMPSHIRE	53	0	0.0	53	0	0.0	0	0
NEW JERSEY	14	920,655	2.1	16	38	2.5	13	25
NEW MEXICO	13	947,872	2.2	38	8	0.5	6	2
NEW YORK	8	1,200,503	2.7	2	126	8.1	14	112
NORTH CAROLINA	22	373,208	0.8	11	50	3.2	16	34
NORTH DAKOTA	18	548,066	1.2	44	3	0.2	3	0
OHIO	4	2,079,408	4.7	6	61	3.9	26	35
OKLAHOMA	27	219,642	0.5	27	19	1.2	5	14
OREGON	34	102,215	0.2	19	31	2.0	2	29
PENNSYLVANIA	19	510,014	1.2	10	51	3.3	20	31
PUERTO RICO	36	64,094	0.1	36	9	0.6	6	3
RHODE ISLAND	40	35,118	0.1	36	9	0.6	2	7
SOUTH CAROLINA	29	139,438	0.3	33	12	0.8	12	0
SOUTH DAKOTA	51	1	0.0	50	1	0.1	0	1
TENNESSEE	16	721,541	1.6	5	72	4.6	13	59
TEXAS	1	14,872,774	33.9	3	120	7.7	62	58
TRUST TERRITORIES	53	0	0.0	53	0	0.0	0	0
UTAH	24	329,301	0.7	31	13	0.8	8	5
VERMONT	21	390,607	0.9	41	7	0.5	2	5
VIRGIN ISLANDS	49	34	0.0	50	1	0.1	1	0
VIRGINIA	30	115,896	0.3	17	32	2.1	11	21
WASHINGTON	38	46,515	0.1	4	86	5.5	13	73
WEST VIRGINIA	39	36,803	0.1	31	13	0.8	10	3
WISCONSIN	35	72,586	0.2	7	57	3.7	10	47
WYOMING	28	206,910	0.5	48	2	0.1	1	1
Total		**43,923,861**	**100.0**		**1,550**	**100.0**	**527**	**1,023**

Notes: Columns may not sum due to rounding.
Facilities reporting storage-only and their quantity managed are excluded.

Exhibit 2.2 Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Managed and Number of RCRA Management Facilities, 2005

State	Hazardous Waste Quantity			Number of Facilities			Reported Status	
	Rank	Tons Managed	Percentage	Rank	Number	Percentage	TSDF	Non-TSDF
TEXAS	1	14,872,774	33.9	3	120	7.7	62	58
LOUISIANA	2	5,471,449	12.5	14	43	2.8	25	18
CALIFORNIA	3	2,083,754	4.7	1	135	8.7	64	71
OHIO	4	2,079,408	4.7	6	61	3.9	26	35
MISSISSIPPI	5	1,902,007	4.3	34	10	0.6	4	6
FLORIDA	6	1,481,638	3.4	14	43	2.8	15	28
INDIANA	7	1,313,125	3.0	12	45	2.9	14	31
NEW YORK	8	1,200,503	2.7	2	126	8.1	14	112
ILLINOIS	9	1,199,813	2.7	17	32	2.1	13	19
KANSAS	10	1,129,142	2.6	23	25	1.6	7	18
KENTUCKY	11	1,089,239	2.5	8	53	3.4	12	41
ALABAMA	12	955,711	2.2	20	29	1.9	10	19
NEW MEXICO	13	947,872	2.2	38	8	0.5	6	2
NEW JERSEY	14	920,655	2.1	16	38	2.5	13	25
GEORGIA	15	862,647	2.0	9	52	3.4	13	39
TENNESSEE	16	721,541	1.6	5	72	4.6	13	59
ARKANSAS	17	596,549	1.4	21	28	1.8	11	17
NORTH DAKOTA	18	548,066	1.2	44	3	0.2	3	0
PENNSYLVANIA	19	510,014	1.2	10	51	3.3	20	31
MICHIGAN	20	422,586	1.0	24	22	1.4	13	9
VERMONT	21	390,607	0.9	41	7	0.5	2	5
NORTH CAROLINA	22	373,208	0.8	11	50	3.2	16	34
MISSOURI	23	339,520	0.8	22	26	1.7	13	13
UTAH	24	329,301	0.7	31	13	0.8	8	5
MASSACHUSETTS	25	324,393	0.7	12	45	2.9	7	38
MINNESOTA	26	306,216	0.7	28	18	1.2	8	10
OKLAHOMA	27	219,642	0.5	27	19	1.2	5	14
WYOMING	28	206,910	0.5	48	2	0.1	1	1
SOUTH CAROLINA	29	139,438	0.3	33	12	0.8	12	0
VIRGINIA	30	115,896	0.3	17	32	2.1	11	21
IDAHO	31	114,245	0.3	44	3	0.2	2	1
MARYLAND	32	111,112	0.3	38	8	0.5	4	4
COLORADO	33	105,157	0.2	26	20	1.3	6	14
OREGON	34	102,215	0.2	19	31	2.0	2	29
WISCONSIN	35	72,586	0.2	7	57	3.7	10	47
PUERTO RICO	36	64,094	0.1	36	9	0.6	6	3
NEVADA	37	58,939	0.1	41	7	0.5	6	1
WASHINGTON	38	46,515	0.1	4	86	5.5	13	73
WEST VIRGINIA	39	36,803	0.1	31	13	0.8	10	3
RHODE ISLAND	40	35,118	0.1	36	9	0.6	2	7
NEBRASKA	41	35,012	0.1	38	8	0.5	2	6
ARIZONA	42	34,121	0.1	34	10	0.6	6	4
ALASKA	43	33,567	0.1	44	3	0.2	2	1
CONNECTICUT	44	17,056	0.0	30	15	1.0	7	8
MONTANA	45	1,256	0.0	44	3	0.2	1	2
MAINE	46	1,080	0.0	29	17	1.1	1	16
IOWA	47	786	0.0	25	21	1.4	3	18
DELAWARE	48	534	0.0	43	5	0.3	1	4
VIRGIN ISLANDS	49	34	0.0	50	1	0.1	1	0
HAWAII	50	6	0.0	48	2	0.1	0	2
SOUTH DAKOTA	51	1	0.0	50	1	0.1	0	1
GUAM	52	1	0.0	50	1	0.1	1	0
DISTRICT OF COLUMBIA	53	0	0.0	53	0	0.0	0	0
NAVAJO NATION	53	0	0.0	53	0	0.0	0	0
NEW HAMPSHIRE	53	0	0.0	53	0	0.0	0	0
TRUST TERRITORIES	53	0	0.0	53	0	0.0	0	0
Total		**43,923,861**	**100.0**		**1,550**	**100.0**	**527**	**1,023**

Notes: Columns may not sum due to rounding.
Facilities reporting storage-only and their quantity managed are excluded.

Exhibit 2.3 Rank Ordering of States Based on Number of RCRA Management Facilities and Quantity of RCRA Hazardous Waste Managed, 2005

State	Number of Facilities			Hazardous Waste Quantity			Reported Status	
	Rank	Number	Percentage	Rank	Tons Managed	Percentage	TSDF	Non-TSDF
CALIFORNIA	1	135	8.7	3	2,083,754	4.7	64	71
NEW YORK	2	126	8.1	8	1,200,503	2.7	14	112
TEXAS	3	120	7.7	1	14,872,774	33.9	62	58
WASHINGTON	4	86	5.5	38	46,515	0.1	13	73
TENNESSEE	5	72	4.6	16	721,541	1.6	13	59
OHIO	6	61	3.9	4	2,079,408	4.7	26	35
WISCONSIN	7	57	3.7	35	72,586	0.2	10	47
KENTUCKY	8	53	3.4	11	1,089,239	2.5	12	41
GEORGIA	9	52	3.4	15	862,647	2.0	13	39
PENNSYLVANIA	10	51	3.3	19	510,014	1.2	20	31
NORTH CAROLINA	11	50	3.2	22	373,208	0.8	16	34
INDIANA	12	45	2.9	7	1,313,125	3.0	14	31
MASSACHUSETTS	12	45	2.9	25	324,393	0.7	7	38
FLORIDA	14	43	2.8	6	1,481,638	3.4	15	28
LOUISIANA	14	43	2.8	2	5,471,449	12.5	25	18
NEW JERSEY	16	38	2.5	14	920,655	2.1	13	25
ILLINOIS	17	32	2.1	9	1,199,813	2.7	13	19
VIRGINIA	17	32	2.1	30	115,896	0.3	11	21
OREGON	19	31	2.0	34	102,215	0.2	2	29
ALABAMA	20	29	1.9	12	955,711	2.2	10	19
ARKANSAS	21	28	1.8	17	596,549	1.4	11	17
MISSOURI	22	26	1.7	23	339,520	0.8	13	13
KANSAS	23	25	1.6	10	1,129,142	2.6	7	18
MICHIGAN	24	22	1.4	20	422,586	1.0	13	9
IOWA	25	21	1.4	47	786	0.0	3	18
COLORADO	26	20	1.3	33	105,157	0.2	6	14
OKLAHOMA	27	19	1.2	27	219,642	0.5	5	14
MINNESOTA	28	18	1.2	26	306,216	0.7	8	10
MAINE	29	17	1.1	46	1,080	0.0	1	16
CONNECTICUT	30	15	1.0	44	17,056	0.0	7	8
UTAH	31	13	0.8	24	329,301	0.7	8	5
WEST VIRGINIA	31	13	0.8	39	36,803	0.1	10	3
SOUTH CAROLINA	33	12	0.8	29	139,438	0.3	12	0
ARIZONA	34	10	0.6	42	34,121	0.1	6	4
MISSISSIPPI	34	10	0.6	5	1,902,007	4.3	4	6
PUERTO RICO	36	9	0.6	36	64,094	0.1	6	3
RHODE ISLAND	36	9	0.6	40	35,118	0.1	2	7
MARYLAND	38	8	0.5	32	111,112	0.3	4	4
NEBRASKA	38	8	0.5	41	35,012	0.1	2	6
NEW MEXICO	38	8	0.5	13	947,872	2.2	6	2
NEVADA	41	7	0.5	37	58,939	0.1	6	1
VERMONT	41	7	0.5	21	390,607	0.9	2	5
DELAWARE	43	5	0.3	48	534	0.0	1	4
ALASKA	44	3	0.2	43	33,567	0.1	2	1
IDAHO	44	3	0.2	31	114,245	0.3	2	1
MONTANA	44	3	0.2	45	1,256	0.0	1	2
NORTH DAKOTA	44	3	0.2	18	548,066	1.2	3	0
HAWAII	48	2	0.1	50	6	0.0	0	2
WYOMING	48	2	0.1	28	206,910	0.5	1	1
GUAM	50	1	0.1	52	1	0.0	1	0
SOUTH DAKOTA	50	1	0.1	51	1	0.0	0	1
VIRGIN ISLANDS	50	1	0.1	49	34	0.0	1	0
DISTRICT OF COLUMBIA	53	0	0.0	53	0	0.0	0	0
NAVAJO NATION	53	0	0.0	53	0	0.0	0	0
NEW HAMPSHIRE	53	0	0.0	53	0	0.0	0	0
TRUST TERRITORIES	53	0	0.0	53	0	0.0	0	0
Total		**1,550**	**100.0**		**43,923,861**	**100.0**	**527**	**1,023**

Notes: Columns may not sum due to rounding.
Facilities reporting storage-only and their quantity managed are excluded.

Exhibit 2.4 Fifty Largest RCRA Hazardous Waste Managers in the U.S., 2005

Rank	EPA ID	Name	City	Tons Managed [1]
1	TXD001700806	SOLUTIA INC	ALVIN	4,349,721
2	LAD008213191	RUBICON LLC	GEISMAR	2,101,123
3	LAD008175390	CYTEC INDUSTRIES INC.	WAGGAMAN	1,979,415
4	TXD059685339	DIAMOND SHAMROCK REFINING COMPANY LP	SUNRAY	1,803,493
5	TXD008081101	E I DU PONT DE NEMOURS AND COMPANY	BEAUMONT	1,434,960
6	TXD008080533	BP PRODUCTS NORTH AMERICA INC	TEXAS CITY	1,277,394
7	MSD096046792	E.I. DU PONT DE NEMOURS AND CO	PASS CHRISTIAN	1,253,047
8	CAT080013352	DEMENNO/KERDOON	COMPTON	1,233,491
9	OHD042157644	INNOVENE USA LLC	LIMA	1,089,110
10	TXD000751172	INEOS USA LLC	PORT LAVACA	1,013,386
11	KSD007482029	BASIC CHEMICALS CO LLC	WICHITA	986,984
12	NMD048918817	NAVAJO REFINING COMPANY, LLP	ARTESIA	938,994
13	NYD000707901	IBM CORPORATION - EAST FISHKILL FACILITY	HOPEWELL JUNCTION	881,944
14	FLD008155673	AIR PRODUCTS AND CHEMICALS, INC	PACE	815,025
15	KYD055831838	AIR PRODUCTS AND CHEMICALS, INC.	CALVERT CITY	808,414
16	TXD008081697	BASF CORPORATION	FREEPORT	788,704
17	TXD083472266	LYONDELL CHEMICAL COMPANY	CHANNELVIEW	759,771
18	TXR000057968	INVISTA SARL	VICTORIA	753,570
19	NJD980753875	SOLVAY SOLEXIS, INC.	THOROFARE	678,237
20	NDD006175467	TESORO REFINING AND MARKETING COMPANY	MANDAN	547,976
21	GAD040690737	OLIN CORPORATION	AUGUSTA	542,379
22	TXR000057752	INVISTA SARL	ORANGE	517,077
23	ALD046481032	SANDERS LEAD COMPANY, INC.	TROY	482,562
24	TXD008106999	MERISOL USA LLC	HOUSTON	479,877
25	ILD042075333	CABOT CORP	TUSCOLA	435,029
26	VTD002084705	IBM CORPORATION	ESSEX JUNCTION	389,813
27	IND003913423	ISG BURNS HARBOR LLC	BURNS HARBOR	382,847
28	LAR000018333	LYONDELL CHEMICAL COMPANY	WESTLAKE	365,618
29	FLD980799050	FAIRBANKS DISPOSAL PIT	GAINESVILLE	360,336
30	TXD000838896	VEOLIA ES TECHNICAL SOLUTIONS LLC	PORT ARTHUR	319,679
31	MSD033417031	FIRST CHEMICAL CORPORATION	PASCAGOULA	315,355
32	NCD057454670	ELEMENTIS CHROMIUM, L.P.	CASTLE HAYNE	292,189
33	IND980503890	HERITAGE ENVIRONMENTAL SERVICES LLC	ROACHDALE	286,273
34	MND006148092	GOPHER RESOURCE CORPORATION	EAGAN	269,813
35	TXD078432457	CELANESE LTD	PASADENA	261,089
36	LAD000777201	CHEMICAL WASTE MANAGEMENT	SULPHUR	239,099
37	ILD000805812	PEORIA DISPOSAL CO INC	PEORIA	236,329
38	TND982132045	KOHLER COMPANY-SHOWER DOOR OPERATION	UNION CITY	235,681
39	OHD045243706	ENVIROSAFE SERVICES OF OHIO INC	OREGON	233,546
40	PAD002395887	HORSEHEAD CORP	PALMERTON	224,632
41	UTD991301748	CLEAN HARBORS GRASSY MOUNTAIN, LLC.	GRANTSVILLE	208,180
42	WYD061112470	UPRR LARAMIE WY TIMBER TREATING PLANT	LARAMIE	206,155
43	IND006050967	ELI LILLY & CO-TIPPECANOE LABS	LAFAYETTE	203,948
44	MID000724831	MICHIGAN DISPOSAL WASTE TREATMENT PLANT	BELLEVILLE	186,217
45	FLR000068007	K.C. INDUSTRIES, L.L.C., MULBERRY, FLORI	MULBERRY	183,154
46	ILD040891368	HORSEHEAD CORP	CHICAGO	179,472
47	LAR000041087	LCCC	WESTLAKE	178,216
48	CAD066233966	QUEMETCO, INC.	CITY OF INDUSTRY	174,510
49	ARD006354161	REYNOLDS METALS COMPANY	ARKADELPHIA	169,678
50	NYD030485288	REVERE SMELTING & REFINING CORP.	MIDDLETOWN	160,943
Total				**34,214,455**

[1] Quantity managed by storage-only is excluded.

Note: Columns may not sum due to rounding.

Exhibit 2.5 Quantity of RCRA Hazardous Waste Managed, by Management Method, 2005

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities [1]	Percentage of Facilities [1]
AQUEOUS INORGANIC TREATMENT	1,705,585	3.9	190	12.3
AQUEOUS ORGANIC TREATMENT	3,356,122	7.6	78	5.0
DEEPWELL OR UNDERGROUND INJECTION	21,846,692	49.7	46	3.0
ENERGY RECOVERY	1,719,390	3.9	99	6.4
FUEL BLENDING	1,174,625	2.7	105	6.8
INCINERATION	1,437,996	3.3	164	10.6
LAND TREATMENT/APPLICATION/FARMING	3,248	0.0	20	1.3
LANDFILL/SURFACE IMPOUNDMENT	2,037,543	4.6	68	4.4
METALS RECOVERY	1,420,320	3.2	137	8.8
OTHER DISPOSAL	3,433,990	7.8	118	7.6
OTHER RECOVERY	328,180	0.7	74	4.8
OTHER TREATMENT	4,221,555	9.6	381	24.6
SLUDGE TREATMENT	516,002	1.2	61	3.9
SOLVENTS RECOVERY	296,681	0.7	493	31.8
STABILIZATION	425,931	1.0	149	9.6
Total	**43,923,861**	**100.0**	**1550**	

Exhibit 2.6 Management Method, by Quantity of RCRA Hazardous Waste Managed, 2005

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities [1]	Percentage of Facilities [1]
DEEPWELL OR UNDERGROUND INJECTION	21,846,692	49.7	46	3.0
OTHER TREATMENT	4,221,555	9.6	381	24.6
OTHER DISPOSAL	3,433,990	7.8	118	7.6
AQUEOUS ORGANIC TREATMENT	3,356,122	7.6	78	5.0
LANDFILL/SURFACE IMPOUNDMENT	2,037,543	4.6	68	4.4
ENERGY RECOVERY	1,719,390	3.9	99	6.4
AQUEOUS INORGANIC TREATMENT	1,705,585	3.9	190	12.3
INCINERATION	1,437,996	3.3	164	10.6
METALS RECOVERY	1,420,320	3.2	137	8.8
FUEL BLENDING	1,174,625	2.7	105	6.8
SLUDGE TREATMENT	516,002	1.2	61	3.9
STABILIZATION	425,931	1.0	149	9.6
OTHER RECOVERY	328,180	0.7	74	4.8
SOLVENTS RECOVERY	296,681	0.7	493	31.8
LAND TREATMENT/APPLICATION/FARMING	3,248	0.0	20	1.3
Total	**43,923,861**	**100.0**	**1550**	

Exhibit 2.7 Management Method and Quantity of RCRA Hazardous Waste Managed, by Number of Facilities, 2005

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities [1]	Percentage of Facilities [1]
SOLVENTS RECOVERY	296,681	0.7	493	31.8
OTHER TREATMENT	4,221,555	9.6	381	24.6
AQUEOUS INORGANIC TREATMENT	1,705,585	3.9	190	12.3
INCINERATION	1,437,996	3.3	164	10.6
STABILIZATION	425,931	1.0	149	9.6
METALS RECOVERY	1,420,320	3.2	137	8.8
OTHER DISPOSAL	3,433,990	7.8	118	7.6
FUEL BLENDING	1,174,625	2.7	105	6.8
ENERGY RECOVERY	1,719,390	3.9	99	6.4
AQUEOUS ORGANIC TREATMENT	3,356,122	7.6	78	5.0
OTHER RECOVERY	328,180	0.7	74	4.8
LANDFILL/SURFACE IMPOUNDMENT	2,037,543	4.6	68	4.4
SLUDGE TREATMENT	516,002	1.2	61	3.9
DEEPWELL OR UNDERGROUND INJECTION	21,846,692	49.7	46	3.0
LAND TREATMENT/APPLICATION/FARMING	3,248	0.0	20	1.3
Total	**43,923,861**	**100.0**	**1550**	

[1] Column may not sum because facilities may have multiple handling methods.

Note: Columns for these exhibits may not sum due to rounding.
Facilities reporting storage-only and their quantity managed are excluded.

Exhibit 3.1 Quantity of RCRA Hazardous Waste Shipped and Number of Hazardous Waste Shippers, by State, 2005

State	Hazardous Waste Quantity			Number of Shippers			Reported Status	
	Rank	Tons Shipped	Percentage	Rank	Number	Percentage	LQG	Non-LQG
ALABAMA	13	210,013	2.7	23	237	1.5	236	1
ALASKA	51	1,196	0.0	46	38	0.2	25	13
ARIZONA	38	26,479	0.3	26	195	1.2	195	0
ARKANSAS	11	284,497	3.7	28	162	1.0	162	0
CALIFORNIA	3	710,785	9.2	1	2,212	13.8	2,070	142
COLORADO	29	53,941	0.7	34	119	0.7	108	11
CONNECTICUT	28	55,413	0.7	18	300	1.9	286	14
DELAWARE	40	14,122	0.2	43	52	0.3	49	3
DISTRICT OF COLUMBIA	53	293	0.0	50	15	0.1	15	0
FLORIDA	32	39,038	0.5	14	344	2.1	321	23
GEORGIA	8	321,356	4.2	19	293	1.8	293	0
GUAM	54	117	0.0	49	18	0.1	12	6
HAWAII	50	1,444	0.0	48	31	0.2	22	9
IDAHO	36	28,858	0.4	47	35	0.2	22	13
ILLINOIS	5	407,699	5.3	5	838	5.2	694	144
INDIANA	4	426,551	5.5	9	537	3.3	537	0
IOWA	30	52,450	0.7	31	153	1.0	130	23
KANSAS	16	132,177	1.7	25	214	1.3	168	46
KENTUCKY	14	206,322	2.7	16	330	2.1	302	28
LOUISIANA	6	385,071	5.0	14	344	2.1	340	4
MAINE	45	3,493	0.0	39	74	0.5	66	8
MARYLAND	27	58,373	0.8	33	122	0.8	120	2
MASSACHUSETTS	23	70,051	0.9	10	486	3.0	439	47
MICHIGAN	10	316,230	4.1	7	722	4.5	565	157
MINNESOTA	25	62,141	0.8	24	234	1.5	231	3
MISSISSIPPI	37	27,118	0.4	32	129	0.8	129	0
MISSOURI	22	70,091	0.9	21	253	1.6	230	23
MONTANA	43	6,008	0.1	45	39	0.2	39	0
NAVAJO NATION	55	85	0.0	54	3	0.0	2	1
NEBRASKA	34	33,649	0.4	38	83	0.5	57	26
NEVADA	39	16,639	0.2	39	74	0.5	72	2
NEW HAMPSHIRE	42	6,150	0.1	29	160	1.0	114	46
NEW JERSEY	7	322,377	4.2	8	650	4.0	649	1
NEW MEXICO	44	5,947	0.1	44	42	0.3	39	3
NEW YORK	15	195,511	2.5	3	988	6.1	826	162
NORTH CAROLINA	19	106,536	1.4	12	427	2.7	400	27
NORTH DAKOTA	49	1,569	0.0	53	13	0.1	13	0
OHIO	1	946,652	12.3	2	1,011	6.3	887	124
OKLAHOMA	33	38,533	0.5	30	159	1.0	159	0
OREGON	35	32,070	0.4	27	176	1.1	176	0
PENNSYLVANIA	9	316,788	4.1	6	748	4.7	729	19
PUERTO RICO	26	61,170	0.8	37	84	0.5	84	0
RHODE ISLAND	41	10,318	0.1	36	96	0.6	79	17
SOUTH CAROLINA	12	219,231	2.9	20	272	1.7	247	25
SOUTH DAKOTA	52	1,153	0.0	52	14	0.1	14	0
TENNESSEE	24	67,784	0.9	17	308	1.9	307	1
TEXAS	2	886,180	11.5	4	874	5.4	874	0
TRUST TERRITORIES	56	8	0.0	55	1	0.0	1	0
UTAH	21	77,801	1.0	41	71	0.4	71	0
VERMONT	46	2,758	0.0	42	56	0.3	40	16
VIRGIN ISLANDS	48	2,200	0.0	55	1	0.0	1	0
VIRGINIA	20	82,969	1.1	22	252	1.6	252	0
WASHINGTON	17	120,672	1.6	13	406	2.5	406	0
WEST VIRGINIA	31	46,417	0.6	35	107	0.7	107	0
WISCONSIN	18	111,484	1.5	11	465	2.9	465	0
WYOMING	47	2,313	0.0	50	15	0.1	12	3
Total		**7,686,291**	**100.0**		**16,082**	**100.0**	**14,889**	**1,193**

Note: Columns may not sum due to rounding.

Exhibit 3.2 Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Shipped and Number of Hazardous Waste Shippers, 2005

State	Hazardous Waste Quantity			Number of Shippers			Reported Status	
	Rank	Tons Shipped	Percentage	Rank	Number	Percentage	LQG	Non-LQG
OHIO	1	946,652	12.3	2	1,011	6.3	887	124
TEXAS	2	886,180	11.5	4	874	5.4	874	0
CALIFORNIA	3	710,785	9.2	1	2,212	13.8	2,070	142
INDIANA	4	426,551	5.5	9	537	3.3	537	0
ILLINOIS	5	407,699	5.3	5	838	5.2	694	144
LOUISIANA	6	385,071	5.0	14	344	2.1	340	4
NEW JERSEY	7	322,377	4.2	8	650	4.0	649	1
GEORGIA	8	321,356	4.2	19	293	1.8	293	0
PENNSYLVANIA	9	316,788	4.1	6	748	4.7	729	19
MICHIGAN	10	316,230	4.1	7	722	4.5	565	157
ARKANSAS	11	284,497	3.7	28	162	1.0	162	0
SOUTH CAROLINA	12	219,231	2.9	20	272	1.7	247	25
ALABAMA	13	210,013	2.7	23	237	1.5	236	1
KENTUCKY	14	206,322	2.7	16	330	2.1	302	28
NEW YORK	15	195,511	2.5	3	988	6.1	826	162
KANSAS	16	132,177	1.7	25	214	1.3	168	46
WASHINGTON	17	120,672	1.6	13	406	2.5	406	0
WISCONSIN	18	111,484	1.5	11	465	2.9	465	0
NORTH CAROLINA	19	106,536	1.4	12	427	2.7	400	27
VIRGINIA	20	82,969	1.1	22	252	1.6	252	0
UTAH	21	77,801	1.0	41	71	0.4	71	0
MISSOURI	22	70,091	0.9	21	253	1.6	230	23
MASSACHUSETTS	23	70,051	0.9	10	486	3.0	439	47
TENNESSEE	24	67,784	0.9	17	308	1.9	307	1
MINNESOTA	25	62,141	0.8	24	234	1.5	231	3
PUERTO RICO	26	61,170	0.8	37	84	0.5	84	0
MARYLAND	27	58,373	0.8	33	122	0.8	120	2
CONNECTICUT	28	55,413	0.7	18	300	1.9	286	14
COLORADO	29	53,941	0.7	34	119	0.7	108	11
IOWA	30	52,450	0.7	31	153	1.0	130	23
WEST VIRGINIA	31	46,417	0.6	35	107	0.7	107	0
FLORIDA	32	39,038	0.5	14	344	2.1	321	23
OKLAHOMA	33	38,533	0.5	30	159	1.0	159	0
NEBRASKA	34	33,649	0.4	38	83	0.5	57	26
OREGON	35	32,070	0.4	27	176	1.1	176	0
IDAHO	36	28,858	0.4	47	35	0.2	22	13
MISSISSIPPI	37	27,118	0.4	32	129	0.8	129	0
ARIZONA	38	26,479	0.3	26	195	1.2	195	0
NEVADA	39	16,639	0.2	39	74	0.5	72	2
DELAWARE	40	14,122	0.2	43	52	0.3	49	3
RHODE ISLAND	41	10,318	0.1	36	96	0.6	79	17
NEW HAMPSHIRE	42	6,150	0.1	29	160	1.0	114	46
MONTANA	43	6,008	0.1	45	39	0.2	39	0
NEW MEXICO	44	5,947	0.1	44	42	0.3	39	3
MAINE	45	3,493	0.0	39	74	0.5	66	8
VERMONT	46	2,758	0.0	42	56	0.3	40	16
WYOMING	47	2,313	0.0	50	15	0.1	12	3
VIRGIN ISLANDS	48	2,200	0.0	55	1	0.0	1	0
NORTH DAKOTA	49	1,569	0.0	53	13	0.1	13	0
HAWAII	50	1,444	0.0	48	31	0.2	22	9
ALASKA	51	1,196	0.0	46	38	0.2	25	13
SOUTH DAKOTA	52	1,153	0.0	52	14	0.1	14	0
DISTRICT OF COLUMBIA	53	293	0.0	50	15	0.1	15	0
GUAM	54	117	0.0	49	18	0.1	12	6
NAVAJO NATION	55	85	0.0	54	3	0.0	2	1
TRUST TERRITORIES	56	8	0.0	55	1	0.0	1	0
Total		**7,686,291**	**100.0**		**16,082**	**100.0**	**14,889**	**1,193**

Note: Columns may not sum due to rounding.

Exhibit 3.3 Rank Ordering of States Based on Number of Hazardous Waste Shippers and Quantity of RCRA Hazardous Waste Shipped, 2005

State	Number of Shippers			Hazardous Waste Quantity			Reported Status	
	Rank	Number	Percentage	Rank	Tons Shipped	Percentage	LQG	Non-LQG
CALIFORNIA	1	2,212	13.8	3	710,785	9.2	2,070	142
OHIO	2	1,011	6.3	1	946,652	12.3	887	124
NEW YORK	3	988	6.1	15	195,511	2.5	826	162
TEXAS	4	874	5.4	2	886,180	11.5	874	0
ILLINOIS	5	838	5.2	5	407,699	5.3	694	144
PENNSYLVANIA	6	748	4.7	9	316,788	4.1	729	19
MICHIGAN	7	722	4.5	10	316,230	4.1	565	157
NEW JERSEY	8	650	4.0	7	322,377	4.2	649	1
INDIANA	9	537	3.3	4	426,551	5.5	537	0
MASSACHUSETTS	10	486	3.0	23	70,051	0.9	439	47
WISCONSIN	11	465	2.9	18	111,484	1.5	465	0
NORTH CAROLINA	12	427	2.7	19	106,536	1.4	400	27
WASHINGTON	13	406	2.5	17	120,672	1.6	406	0
FLORIDA	14	344	2.1	32	39,038	0.5	321	23
LOUISIANA	14	344	2.1	6	385,071	5.0	340	4
KENTUCKY	16	330	2.1	14	206,322	2.7	302	28
TENNESSEE	17	308	1.9	24	67,784	0.9	307	1
CONNECTICUT	18	300	1.9	28	55,413	0.7	286	14
GEORGIA	19	293	1.8	8	321,356	4.2	293	0
SOUTH CAROLINA	20	272	1.7	12	219,231	2.9	247	25
MISSOURI	21	253	1.6	22	70,091	0.9	230	23
VIRGINIA	22	252	1.6	20	82,969	1.1	252	0
ALABAMA	23	237	1.5	13	210,013	2.7	236	1
MINNESOTA	24	234	1.5	25	62,141	0.8	231	3
KANSAS	25	214	1.3	16	132,177	1.7	168	46
ARIZONA	26	195	1.2	38	26,479	0.3	195	0
OREGON	27	176	1.1	35	32,070	0.4	176	0
ARKANSAS	28	162	1.0	11	284,497	3.7	162	0
NEW HAMPSHIRE	29	160	1.0	42	6,150	0.1	114	46
OKLAHOMA	30	159	1.0	33	38,533	0.5	159	0
IOWA	31	153	1.0	30	52,450	0.7	130	23
MISSISSIPPI	32	129	0.8	37	27,118	0.4	129	0
MARYLAND	33	122	0.8	27	58,373	0.8	120	2
COLORADO	34	119	0.7	29	53,941	0.7	108	11
WEST VIRGINIA	35	107	0.7	31	46,417	0.6	107	0
RHODE ISLAND	36	96	0.6	41	10,318	0.1	79	17
PUERTO RICO	37	84	0.5	26	61,170	0.8	84	0
NEBRASKA	38	83	0.5	34	33,649	0.4	57	26
MAINE	39	74	0.5	45	3,493	0.0	66	8
NEVADA	39	74	0.5	39	16,639	0.2	72	2
UTAH	41	71	0.4	21	77,801	1.0	71	0
VERMONT	42	56	0.3	46	2,758	0.0	40	16
DELAWARE	43	52	0.3	40	14,122	0.2	49	3
NEW MEXICO	44	42	0.3	44	5,947	0.1	39	3
MONTANA	45	39	0.2	43	6,008	0.1	39	0
ALASKA	46	38	0.2	51	1,196	0.0	25	13
IDAHO	47	35	0.2	36	28,858	0.4	22	13
HAWAII	48	31	0.2	50	1,444	0.0	22	9
GUAM	49	18	0.1	54	117	0.0	12	6
DISTRICT OF COLUMBIA	50	15	0.1	53	293	0.0	15	0
WYOMING	50	15	0.1	47	2,313	0.0	12	3
SOUTH DAKOTA	52	14	0.1	52	1,153	0.0	14	0
NORTH DAKOTA	53	13	0.1	49	1,569	0.0	13	0
NAVAJO NATION	54	3	0.0	55	85	0.0	2	1
TRUST TERRITORIES	55	1	0.0	56	8	0.0	1	0
VIRGIN ISLANDS	55	1	0.0	48	2,200	0.0	1	0
Total		**16,082**	**100.0**		**7,686,291**	**100.0**	**14,889**	**1,193**

Note: Columns may not sum due to rounding.

Exhibit 3.4 Fifty Largest RCRA Hazardous Waste Shippers in the U.S.,2005

Rank	EPA ID	Name	City	Tons Shipped
1	GAD003264421	SOUTHWIRE COMPANY	CARROLLTON, GA	249,227
2	OHD004254132	CHEVRON ENVIRONMENTAL MANAGEMENT CO	HOOVEN, OH	175,013
3	ILD005210216	US PLATING CORP	CHICAGO, IL	156,045
4	CAL000097718	ROCK CREEK POWERHOUSE	OROVILLE, CA	147,151
5	LAR000057828	CYRO INDUSTRIES METHYL METHACRYLATE UNI	WAGGAMAN, LA	141,885
6	OHD055829022	FORMER SK WELLMAN SITE / EGBERT CORP	BEDFORD, OH	120,006
7	KSD980633259	SYSTECH ENVIRONMENTAL CORP	FREDONIA, KS	106,478
8	IND093219012	HERITAGE ENVIRONMENTAL SERVICES LLC	INDIANAPOLIS, IN	94,677
9	OHD005048947	SYSTECH ENVIRONMENTAL CORPORATION	PAULDING, OH	88,965
10	ARD981057870	RINECO CHEMICAL INSDUSTRIES, INC	BENTON, AR	87,983
11	TXD058275769	EQUISTAR CHEMICALS LP	CHANNELVIEW, TX	80,776
12	TXD026481523	KM LIQUIDS TERMINALS LP	GALENA PARK, TX	79,398
13	TXD058265067	LYONDELL CHEMICAL COMPANY	PASADENA, TX	62,915
14	INR000001099	STEEL DYNAMICS INC	BUTLER, IN	62,562
15	KYD053348108	SAFETY-KLEEN SYSTEMS, INC.	SMITHFIELD, KY	60,242
16	LAD980622104	HEXION SPECIALTY CHEMICALS INC.	NORCO, LA	56,384
17	SCR000002006	NUCOR STEEL BERKELEY COUNTY	HUGER, SC	53,225
18	ARD983278243	NUCOR STEEL - ARKANSAS	BLYTHEVILLE, AR	52,329
19	SCD036275626	GIANT RESOURCE RECOVERY SUMTER INC	SUMTER, SC	49,283
20	IND000646943	POLLUTION CONTROL INDUSTRIES INC	EAST CHICAGO, IN	45,709
21	OHD000816629	SPRING GROVE RESOURCE RECOVERY	CINCINNATI, OH	44,042
22	TXR000057968	INVISTA SARL	VICTORIA, TX	43,600
23	NJD002454544	MARISOL INCORPORATED	MIDDLESEX, NJ	43,114
24	CAD008302903	ONYX ENVIRONMENTAL SERVICES, L.L.C.	AZUSA, CA	42,813
25	MID000820381	PHARMACIA & UPJOHN COMPANY LLC	PORTAGE, MI	41,046
26	ARD981908890	NUCOR-YAMATO STEEL COMPANY	BLYTHEVILLE, AR	40,602
27	NJD986581437	425/445 ROUTE 440 PROPERTY LLC	JERSEY CITY, NJ	39,484
28	IND181157009	NUCOR STEEL	CRAWFORDSVILLE, IN	36,623
29	SCD044940369	NUCOR STEEL SC DARLINGTON	DARLINGTON, SC	36,603
30	OHD048415665	ROSS INCINERATION SERVICES, INC.	GRAFTON, OH	33,546
31	MID980615298	PETRO CHEM PROCESSING GROUP OF NORTRU I	DETROIT, MI	33,336
32	TXD980626014	HUNTSMAN POLYMERS CORPORATION	ODESSA, TX	32,890
33	NYD002080034	GE SILICONES	WATERFORD, NY	32,023
34	OHD045243706	ENVIROSAFE SERVICES OF OHIO INC	OREGON, OH	31,878
35	ALR000006817	NUCOR STEEL DECATUR LLC	TRINITY, AL	30,599
36	ARD069748192	TERIS LLC	EL DORADO, AR	30,546
37	AL3210020027	ANNISTON ARMY DEPOT	ANNISTON, AL	28,883
38	OHR000002279	NORTH STAR BLUESCOPE STEEL LLC	DELTA, OH	28,843
39	UTD981552177	CLEAN HARBORS ARAGONITE LLC	ARAGONITE, UT	28,087
40	NCR000011197	NUCOR STEEL	COFIELD, NC	27,904
41	IAR000000216	IPSCO STEEL INC	MUSCATINE, IA	27,087
42	AR0213820707	PINE BLUFF ARSENAL	PINE BLUFF, AR	26,914
43	KYD985115237	GALLATIN STEEL CO	WARSAW, KY	26,579
44	PAD002395887	HORSEHEAD CORP	PALMERTON, PA	26,341
45	ALR000014183	IPSCO STEEL (ALABAMA) INC	AXIS, AL	25,399
46	OHD060409521	WCI STEEL INC	WARREN, OH	25,108
47	LAD000777201	CHEMICAL WASTE MANAGEMENT	SULPHUR, LA	24,969
48	OHD093945293	ONYX ENVIRONMENTAL SERVICES LLC	WEST CARROLLTON, OH	24,733
49	IND000806935	ELI LILLY & CO-LTC	INDIANAPOLIS, IN	24,509
50	TXD058260977	BAYER MATERIAL SCIENCE LLC	BAYTOWN, TX	24,242
Total				**2,932,594**

Note: Column may not sum due to rounding

Exhibit 3.5 Quantity of RCRA Hazardous Waste Received and Number of Receivers, by State, 2005

State	Hazardous Waste Quantity			Number of Receivers			Reported Status	
	Rank	Tons Received	Percentage	Rank	Number	Percentage	TSDF	Non-TSDF
ALABAMA	19	120,868	1.4	21	9	1.6	8	1
ALASKA	47	149	0.0	37	4	0.7	3	1
ARIZONA	30	35,573	0.4	18	10	1.8	7	3
ARKANSAS	11	273,294	3.2	29	6	1.1	5	1
CALIFORNIA	1	1,770,296	20.7	1	67	12.0	44	23
COLORADO	34	23,368	0.3	24	8	1.4	7	1
CONNECTICUT	35	22,714	0.3	34	5	0.9	4	1
DELAWARE	45	373	0.0	46	1	0.2	1	0
DISTRICT OF COLUMBIA	51	0	0.0	51	0	0.0	0	0
FLORIDA	36	18,040	0.2	11	16	2.9	16	0
GEORGIA	40	6,944	0.1	13	15	2.7	10	5
GUAM	49	57	0.0	46	1	0.2	1	0
HAWAII	44	400	0.0	46	1	0.2	0	1
IDAHO	17	136,002	1.6	37	4	0.7	3	1
ILLINOIS	7	437,479	5.1	6	20	3.6	17	3
INDIANA	3	642,508	7.5	16	12	2.2	12	0
IOWA	43	546	0.0	34	5	0.9	5	0
KANSAS	13	193,929	2.3	26	7	1.3	7	0
KENTUCKY	22	86,914	1.0	21	9	1.6	8	1
LOUISIANA	8	362,705	4.2	6	20	3.6	17	3
MAINE	41	2,390	0.0	41	3	0.5	3	0
MARYLAND	18	127,135	1.5	29	6	1.1	4	2
MASSACHUSETTS	32	28,046	0.3	14	14	2.5	8	6
MICHIGAN	6	440,019	5.1	9	17	3.1	17	0
MINNESOTA	9	303,553	3.6	14	14	2.5	13	1
MISSISSIPPI	24	56,696	0.7	41	3	0.5	3	0
MISSOURI	12	199,926	2.3	9	17	3.1	15	2
MONTANA	50	0	0.0	46	1	0.2	0	1
NAVAJO NATION	51	0	0.0	51	0	0.0	0	0
NEBRASKA	29	36,110	0.4	37	4	0.7	4	0
NEVADA	23	61,996	0.7	34	5	0.9	4	1
NEW HAMPSHIRE	51	0	0.0	51	0	0.0	0	0
NEW JERSEY	15	166,198	1.9	16	12	2.2	9	3
NEW MEXICO	39	8,977	0.1	29	6	1.1	6	0
NEW YORK	10	286,495	3.4	3	22	3.9	18	4
NORTH CAROLINA	21	91,110	1.1	5	21	3.8	17	4
NORTH DAKOTA	42	611	0.0	41	3	0.5	3	0
OHIO	2	853,197	10.0	6	20	3.6	19	1
OKLAHOMA	26	48,203	0.6	26	7	1.3	4	3
OREGON	20	93,930	1.1	41	3	0.5	3	0
PENNSYLVANIA	5	467,186	5.5	3	22	3.9	21	1
PUERTO RICO	38	11,609	0.1	41	3	0.5	3	0
RHODE ISLAND	27	38,594	0.5	37	4	0.7	2	2
SOUTH CAROLINA	14	177,372	2.1	26	7	1.3	7	0
SOUTH DAKOTA	48	133	0.0	46	1	0.2	1	0
TENNESSEE	33	23,699	0.3	18	10	1.8	10	0
TEXAS	4	600,289	7.0	2	57	10.2	56	1
TRUST TERRITORIES	51	0	0.0	51	0	0.0	0	0
UTAH	16	154,354	1.8	24	8	1.4	8	0
VERMONT	46	253	0.0	29	6	1.1	4	2
VIRGIN ISLANDS	51	0	0.0	51	0	0.0	0	0
VIRGINIA	28	36,790	0.4	21	9	1.6	8	1
WASHINGTON	31	33,251	0.4	18	10	1.8	10	0
WEST VIRGINIA	37	11,822	0.1	29	6	1.1	5	1
WISCONSIN	25	53,752	0.6	11	16	2.9	14	2
WYOMING	51	0	0.0	51	0	0.0	0	0
Total		**8,545,857**	**100.0**		**557**	**100.0**	**474**	**83**

Note: Columns may not sum due to rounding.

Exhibit 3.6 Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Received and Number of Receivers, 2005

State	Hazardous Waste Quantity			Number of Receivers			Reported Status	
	Rank	Tons Received	Percentage	Rank	Number	Percentage	TSDF	Non-TSDF
CALIFORNIA	1	1,770,296	20.7	1	67	12.0	44	23
OHIO	2	853,197	10.0	6	20	3.6	19	1
INDIANA	3	642,508	7.5	16	12	2.2	12	0
TEXAS	4	600,289	7.0	2	57	10.2	56	1
PENNSYLVANIA	5	467,186	5.5	3	22	3.9	21	1
MICHIGAN	6	440,019	5.1	9	17	3.1	17	0
ILLINOIS	7	437,479	5.1	6	20	3.6	17	3
LOUISIANA	8	362,705	4.2	6	20	3.6	17	3
MINNESOTA	9	303,553	3.6	14	14	2.5	13	1
NEW YORK	10	286,495	3.4	3	22	3.9	18	4
ARKANSAS	11	273,294	3.2	29	6	1.1	5	1
MISSOURI	12	199,926	2.3	9	17	3.1	15	2
KANSAS	13	193,929	2.3	26	7	1.3	7	0
SOUTH CAROLINA	14	177,372	2.1	26	7	1.3	7	0
NEW JERSEY	15	166,198	1.9	16	12	2.2	9	3
UTAH	16	154,354	1.8	24	8	1.4	8	0
IDAHO	17	136,002	1.6	37	4	0.7	3	1
MARYLAND	18	127,135	1.5	29	6	1.1	4	2
ALABAMA	19	120,868	1.4	21	9	1.6	8	1
OREGON	20	93,930	1.1	41	3	0.5	3	0
NORTH CAROLINA	21	91,110	1.1	5	21	3.8	17	4
KENTUCKY	22	86,914	1.0	21	9	1.6	8	1
NEVADA	23	61,996	0.7	34	5	0.9	4	1
MISSISSIPPI	24	56,696	0.7	41	3	0.5	3	0
WISCONSIN	25	53,752	0.6	11	16	2.9	14	2
OKLAHOMA	26	48,203	0.6	26	7	1.3	4	3
RHODE ISLAND	27	38,594	0.5	37	4	0.7	2	2
VIRGINIA	28	36,790	0.4	21	9	1.6	8	1
NEBRASKA	29	36,110	0.4	37	4	0.7	4	0
ARIZONA	30	35,573	0.4	18	10	1.8	7	3
WASHINGTON	31	33,251	0.4	18	10	1.8	10	0
MASSACHUSETTS	32	28,046	0.3	14	14	2.5	8	6
TENNESSEE	33	23,699	0.3	18	10	1.8	10	0
COLORADO	34	23,368	0.3	24	8	1.4	7	1
CONNECTICUT	35	22,714	0.3	34	5	0.9	4	1
FLORIDA	36	18,040	0.2	11	16	2.9	16	0
WEST VIRGINIA	37	11,822	0.1	29	6	1.1	5	1
PUERTO RICO	38	11,609	0.1	41	3	0.5	3	0
NEW MEXICO	39	8,977	0.1	29	6	1.1	6	0
GEORGIA	40	6,944	0.1	13	15	2.7	10	5
MAINE	41	2,390	0.0	41	3	0.5	3	0
NORTH DAKOTA	42	611	0.0	41	3	0.5	3	0
IOWA	43	546	0.0	34	5	0.9	5	0
HAWAII	44	400	0.0	46	1	0.2	0	1
DELAWARE	45	373	0.0	46	1	0.2	1	0
VERMONT	46	253	0.0	29	6	1.1	4	2
ALASKA	47	149	0.0	37	4	0.7	3	1
SOUTH DAKOTA	48	133	0.0	46	1	0.2	1	0
GUAM	49	57	0.0	46	1	0.2	1	0
MONTANA	50	0	0.0	46	1	0.2	0	1
DISTRICT OF COLUMBIA	51	0	0.0	51	0	0.0	0	0
NAVAJO NATION	51	0	0.0	51	0	0.0	0	0
NEW HAMPSHIRE	51	0	0.0	51	0	0.0	0	0
TRUST TERRITORIES	51	0	0.0	51	0	0.0	0	0
VIRGIN ISLANDS	51	0	0.0	51	0	0.0	0	0
WYOMING	51	0	0.0	51	0	0.0	0	0
Total		**8,545,857**	**100.0**		**557**	**100.0**	**474**	**83**

Note: Columns may not sum due to rounding.

Exhibit 3.7 Rank Ordering of States Based on Number of Receiving Facilities and Quantity of RCRA Hazardous Waste Received, 2005

State	Number of Receivers			Hazardous Waste Quantity			Reported Status	
	Rank	Number	Percentage	Rank	Tons Received	Percentage	TSDF	Non-TSDF
CALIFORNIA	1	67	12.0	1	1,770,296	20.7	44	23
TEXAS	2	57	10.2	4	600,289	7.0	56	1
NEW YORK	3	22	3.9	10	286,495	3.4	18	4
PENNSYLVANIA	3	22	3.9	5	467,186	5.5	21	1
NORTH CAROLINA	5	21	3.8	21	91,110	1.1	17	4
ILLINOIS	6	20	3.6	7	437,479	5.1	17	3
LOUISIANA	6	20	3.6	8	362,705	4.2	17	3
OHIO	6	20	3.6	2	853,197	10.0	19	1
MICHIGAN	9	17	3.1	6	440,019	5.1	17	0
MISSOURI	9	17	3.1	12	199,926	2.3	15	2
FLORIDA	11	16	2.9	36	18,040	0.2	16	0
WISCONSIN	11	16	2.9	25	53,752	0.6	14	2
GEORGIA	13	15	2.7	40	6,944	0.1	10	5
MASSACHUSETTS	14	14	2.5	32	28,046	0.3	8	6
MINNESOTA	14	14	2.5	9	303,553	3.6	13	1
INDIANA	16	12	2.2	3	642,508	7.5	12	0
NEW JERSEY	16	12	2.2	15	166,198	1.9	9	3
ARIZONA	18	10	1.8	30	35,573	0.4	7	3
TENNESSEE	18	10	1.8	33	23,699	0.3	10	0
WASHINGTON	18	10	1.8	31	33,251	0.4	10	0
ALABAMA	21	9	1.6	19	120,868	1.4	8	1
KENTUCKY	21	9	1.6	22	86,914	1.0	8	1
VIRGINIA	21	9	1.6	28	36,790	0.4	8	1
COLORADO	24	8	1.4	34	23,368	0.3	7	1
UTAH	24	8	1.4	16	154,354	1.8	8	0
KANSAS	26	7	1.3	13	193,929	2.3	7	0
OKLAHOMA	26	7	1.3	26	48,203	0.6	4	3
SOUTH CAROLINA	26	7	1.3	14	177,372	2.1	7	0
ARKANSAS	29	6	1.1	11	273,294	3.2	5	1
MARYLAND	29	6	1.1	18	127,135	1.5	4	2
NEW MEXICO	29	6	1.1	39	8,977	0.1	6	0
VERMONT	29	6	1.1	46	253	0.0	4	2
WEST VIRGINIA	29	6	1.1	37	11,822	0.1	5	1
CONNECTICUT	34	5	0.9	35	22,714	0.3	4	1
IOWA	34	5	0.9	43	546	0.0	5	0
NEVADA	34	5	0.9	23	61,996	0.7	4	1
ALASKA	37	4	0.7	47	149	0.0	3	1
IDAHO	37	4	0.7	17	136,002	1.6	3	1
NEBRASKA	37	4	0.7	29	36,110	0.4	4	0
RHODE ISLAND	37	4	0.7	27	38,594	0.5	2	2
MAINE	41	3	0.5	41	2,390	0.0	3	0
MISSISSIPPI	41	3	0.5	24	56,696	0.7	3	0
NORTH DAKOTA	41	3	0.5	42	611	0.0	3	0
OREGON	41	3	0.5	20	93,930	1.1	3	0
PUERTO RICO	41	3	0.5	38	11,609	0.1	3	0
DELAWARE	46	1	0.2	45	373	0.0	1	0
GUAM	46	1	0.2	49	57	0.0	1	0
HAWAII	46	1	0.2	44	400	0.0	0	1
MONTANA	46	1	0.2	50	0	0.0	0	1
SOUTH DAKOTA	46	1	0.2	48	133	0.0	1	0
DISTRICT OF COLUMBIA	51	0	0.0	51	0	0.0	0	0
NAVAJO NATION	51	0	0.0	51	0	0.0	0	0
NEW HAMPSHIRE	51	0	0.0	51	0	0.0	0	0
TRUST TERRITORIES	51	0	0.0	51	0	0.0	0	0
VIRGIN ISLANDS	51	0	0.0	51	0	0.0	0	0
WYOMING	51	0	0.0	51	0	0.0	0	0
Total		**557**	**100.0**		**8,545,857**	**100.0**	**474**	**83**

Note: Columns may not sum due to rounding.

Exhibit 3.8 Fifty Largest RCRA Hazardous Waste Receivers in the U.S., 2005

Rank	EPA ID	Name	City	Tons Received
1	CAT080013352	DEMENNO/KERDOON	COMPTON, CA	1,233,500
2	IND980503890	HERITAGE ENVIRONMENTAL SERVICES LLC	ROACHDALE, IN	286,273
3	MND006148092	GOPHER RESOURCE CORPORATION	EAGAN, MN	267,034
4	OHD045243706	ENVIROSAFE SERVICES OF OHIO INC	OREGON, OH	232,602
5	PAD002395887	HORSEHEAD CORP	PALMERTON, PA	224,632
6	MID000724831	MICHIGAN DISPOSAL WASTE TREATMENT PLANT	BELLEVILLE, MI	196,057
7	ILD040891368	HORSEHEAD CORP	CHICAGO, IL	179,472
8	CAD066233966	QUEMETCO, INC.	CITY OF INDUSTRY, CA	174,574
9	NYD030485288	REVERE SMELTING & REFINING CORP.	MIDDLETOWN, NY	158,520
10	KSD980633259	SYSTECH ENVIRONMENTAL CORP	FREDONIA, KS	144,138
11	LAD008175390	CYTEC INDUSTRIES INC.	WAGGAMAN, LA	141,885
12	MDD980555189	CLEAN HARBORS OF BALTIMORE	BALTIMORE, MD	126,314
13	IDD073114654	US ECOLOGY IDAHO INC SITE B	GRAND VIEW, ID	113,188
14	IND093219012	HERITAGE ENVIRONMENTAL SERVICES LLC	INDIANAPOLIS, IN	111,021
15	CAD980675276	CLEAN HARBORS BUTTONWILLOW	BUTTONWILLOW, CA	104,497
16	TXD055141378	CLEAN HARBORS DEER PARK LP	DEER PARK, TX	104,389
17	ILD000805812	PEORIA DISPOSAL CO INC	PEORIA, IL	103,619
18	LAD000777201	CHEMICAL WASTE MANAGEMENT	SULPHUR, LA	99,790
19	ARD981512270	ASH GROVE CEMENT CO	FOREMAN, AR	98,201
20	OHD020273819	VICKERY ENVIRONMENTAL INC	VICKERY, OH	97,134
21	ORD089452353	CHEMICAL WASTE MANAGEMENT OF THE NW	ARLINGTON, OR	90,892
22	IND006419212	LONE STAR - GREENCASTLE WDF	GREENCASTLE, IN	89,999
23	OHD987048733	LAFARGE NORTH AMERICA	PAULDING, OH	88,849
24	OHD005048947	SYSTECH ENVIRONMENTAL CORPORATION	PAULDING, OH	87,699
25	UTD991301748	CLEAN HARBORS GRASSY MOUNTAIN, LLC.	GRANTSVILLE, UT	86,149
26	TXD083472266	LYONDELL CHEMICAL COMPANY	CHANNELVIEW, TX	83,414
27	ARD981057870	RINECO CHEMICAL INSDUSTRIES, INC	BENTON, AR	78,115
28	MID980991566	EQ DETROIT INC	DETROIT, MI	77,358
29	NYD049836679	CWM CHEMICAL SERVICES, LLC	MODEL CITY, NY	74,423
30	MOD054018288	CONTINENTAL CEMENT CO LLC	HANNIBAL, MO	69,375
31	IND005081542	ESSROC CEMENT CORP	LOGANSPORT, IN	69,263
32	SCD003368891	HOLCIM US INC ENERGIS LLC	HOLLY HILL, SC	68,849
33	PAD002389559	KEYSTONE CEMENT CO	BATH, PA	65,449
34	MOD981127319	LONE STAR INDUSTRIES INC	CAPE GIRARDEAU, MO	62,277
35	NJD002385730	DUPONT CHAMBERS WORKS	DEEPWATER, NJ	61,173
36	OHD048415665	ROSS INCINERATION SERVICES, INC.	GRAFTON, OH	59,046
37	ALD000622464	CHEMICAL WASTE MANAGEMENT	EMELLE, AL	58,840
38	OHD000816629	SPRING GROVE RESOURCE RECOVERY	CINCINNATI, OH	57,446
39	OHD980568992	ENVIRITE OF OHIO INC	CANTON, OH	57,028
40	MOD029729688	HOLCIM US INC/ENERGIS LLC	CLARKSVILLE, MO	56,561
41	TXD074195678	GULF CHEMICAL & METALLURGICAL CORPORATI	FREEPORT, TX	56,317
42	MSD077655876	HOLCIM (US) INC.	ARTESIA, MS	55,961
43	LAR000042226	SHELL NORCO CHEMICAL PLANT - WEST SITE	NORCO, LA	55,684
44	CAT000646117	CHEMICAL WASTE MANAGEMENT, INC.	KETTLEMAN CITY, CA	55,505
45	TXD000719518	TM DEER PARK SERVICES LIMITED PARTNERSHI	DEER PARK, TX	54,072
46	UTD981552177	CLEAN HARBORS ARAGONITE LLC	ARAGONITE, UT	51,760
47	NVT330010000	US ECOLOGY NEVADA	BEATTY, NV	51,464
48	ARD069748192	TERIS LLC	EL DORADO, AR	50,409
49	TXD007349327	TXI OPERATIONS LP	MIDLOTHIAN, TX	49,275
50	NJD002454544	MARISOL INCORPORATED	MIDDLESEX, NJ	49,258
Total				**6,168,752**

Note: Column may not sum due to rounding

Exhibit 3.9 Quantity of RCRA Hazardous Waste Managed, by Management Method, Limited to Waste Received from Off-Site, 2005

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities [1]	Percentage of Facilities [1]
AQUEOUS INORGANIC TREATMENT	242,831	2.8	48	8.6
AQUEOUS ORGANIC TREATMENT	57,192	0.7	25	4.5
DEEPWELL OR UNDERGROUND INJECTION	329,538	3.9	13	2.3
ENERGY RECOVERY	1,050,721	12.3	44	7.9
FUEL BLENDING	1,021,631	12.0	87	15.6
INCINERATION	547,315	6.4	88	15.8
LAND TREATMENT/APPLICATION/FARMING	44	0.0	10	1.8
LANDFILL/SURFACE IMPOUNDMENT	1,436,105	16.8	44	7.9
METALS RECOVERY	1,187,107	13.9	96	17.2
OTHER DISPOSAL	976,216	11.4	27	4.8
OTHER RECOVERY	174,834	2.0	36	6.5
OTHER TREATMENT	288,398	3.4	92	16.5
SLUDGE TREATMENT	663	0.0	12	2.2
SOLVENTS RECOVERY	227,117	2.7	57	10.2
STABILIZATION	372,114	4.4	43	7.7
STORAGE AND/OR TRANSFER	634,030	7.4	359	64.5
Total	**8,545,857**	**100.0**	**557**	

Exhibit 3.10 Management Method, by Quantity of RCRA Hazardous Waste Managed, Limited to Waste Received from Off-Site, 2005

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities [1]	Percentage of Facilities [1]
LANDFILL/SURFACE IMPOUNDMENT	1,436,105	16.8	44	7.9
METALS RECOVERY	1,187,107	13.9	96	17.2
ENERGY RECOVERY	1,050,721	12.3	44	7.9
FUEL BLENDING	1,021,631	12.0	87	15.6
OTHER DISPOSAL	976,216	11.4	27	4.8
STORAGE AND/OR TRANSFER	634,030	7.4	359	64.5
INCINERATION	547,315	6.4	88	15.8
STABILIZATION	372,114	4.4	43	7.7
DEEPWELL OR UNDERGROUND INJECTION	329,538	3.9	13	2.3
OTHER TREATMENT	288,398	3.4	92	16.5
AQUEOUS INORGANIC TREATMENT	242,831	2.8	48	8.6
SOLVENTS RECOVERY	227,117	2.7	57	10.2
OTHER RECOVERY	174,834	2.0	36	6.5
AQUEOUS ORGANIC TREATMENT	57,192	0.7	25	4.5
SLUDGE TREATMENT	663	0.0	12	2.2
LAND TREATMENT/APPLICATION/FARMING	44	0.0	10	1.8
Total	**8,545,857**	**100.0**	**557**	

Exhibit 3.11 Management Method and Quantity of RCRA Hazardous Waste Managed, by Number of Facilities, Limited to Waste Received from Off-Site, 2005

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities [1]	Percentage of Facilities [1]
STORAGE AND/OR TRANSFER	634,030	7.4	359	64.5
METALS RECOVERY	1,187,107	13.9	96	17.2
OTHER TREATMENT	288,398	3.4	92	16.5
INCINERATION	547,315	6.4	88	15.8
FUEL BLENDING	1,021,631	12.0	87	15.6
SOLVENTS RECOVERY	227,117	2.7	57	10.2
AQUEOUS INORGANIC TREATMENT	242,831	2.8	48	8.6
ENERGY RECOVERY	1,050,721	12.3	44	7.9
LANDFILL/SURFACE IMPOUNDMENT	1,436,105	16.8	44	7.9
STABILIZATION	372,114	4.4	43	7.7
OTHER RECOVERY	174,834	2.0	36	6.5
OTHER DISPOSAL	976,216	11.4	27	4.8
AQUEOUS ORGANIC TREATMENT	57,192	0.7	25	4.5
DEEPWELL OR UNDERGROUND INJECTION	329,538	3.9	13	2.3
SLUDGE TREATMENT	663	0.0	12	2.2
LAND TREATMENT/APPLICATION/FARMING	44	0.0	10	1.8
Total	**8,545,857**	**100.0**	**557**	

[1] Column may not sum because facilities may have multiple handling methods.

Note: Columns for these exhibits may not sum due to rounding.

Exhibit 4.1 RCRA Hazardous Waste Interstate Shipments and Receipts, by State, 2005

STATE	Interstate Shipments (Tons)	Interstate Receipts (Tons)
ALABAMA	163,471	86,984
ALASKA	1,048	0
ARIZONA	18,293	17,213
ARKANSAS	206,222	200,730
CALIFORNIA	199,749	42,288
COLORADO	38,942	6,154
CONNECTICUT	47,825	11,704
DELAWARE	14,034	280
DISTRICT OF COLUMBIA	293	0
FLORIDA	35,090	6,661
GEORGIA	319,506	4,361
GUAM	55	0
HAWAII	1,098	0
IDAHO	6,198	135,020
ILLINOIS	138,865	325,874
INDIANA	208,480	420,538
IOWA	52,348	114
KANSAS	22,088	182,947
KENTUCKY	183,336	61,415
LOUISIANA	131,105	109,123
MAINE	3,443	1,930
MARYLAND	56,192	86,577
MASSACHUSETTS	58,950	8,902
MICHIGAN	154,524	314,537
MINNESOTA	52,238	269,936
MISSISSIPPI	20,077	55,733
MISSOURI	50,091	169,960
MONTANA	6,008	0
NAVAJO NATION	85	0
NEBRASKA	33,209	32,169
NEVADA	8,863	50,072
NEW HAMPSHIRE	6,150	0
NEW JERSEY	213,296	117,505
NEW MEXICO	5,751	8,374
NEW YORK	118,526	64,883
NORTH CAROLINA	97,051	31,573
NORTH DAKOTA	1,549	141
OHIO	571,767	500,400
OKLAHOMA	31,072	42,325
OREGON	26,703	67,453
PENNSYLVANIA	169,710	328,389
PUERTO RICO	36,372	0
RHODE ISLAND	9,576	36,478
SOUTH CAROLINA	164,723	119,984
SOUTH DAKOTA	1,153	50
TENNESSEE	64,776	20,475
TEXAS	190,226	155,761
TRUST TERRITORIES	8	0
UTAH	19,097	77,012
VERMONT	2,731	78
VIRGIN ISLANDS	2,200	0
VIRGINIA	67,129	20,144
WASHINGTON	89,702	9,854
WEST VIRGINIA	46,073	10,084
WISCONSIN	92,805	31,868
WYOMING	2,313	0
TOTAL	**4,262,187**	**4,244,053**

Note: Columns may not sum due to rounding.

APPENDIX A

EPA REGION - STATE MAPPING

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EPA REGION - STATE MAPPING

EPA REGION	STATES IN REGION
REGION 1	Connecticut Maine Massachusetts New Hampshire Rhode Island Vermont
REGION 2	New Jersey New York Puerto Rico Virgin Islands
REGION 3	Delaware District of Columbia Maryland Pennsylvania Virginia West Virginia
REGION 4	Alabama Florida Georgia Kentucky Mississippi North Carolina South Carolina Tennessee
REGION 5	Illinois Indiana Michigan Minnesota Ohio Wisconsin
REGION 6	Arkansas Louisiana New Mexico Oklahoma Texas
REGION 7	Iowa Kansas Missouri Nebraska
REGION 8	Colorado Montana North Dakota South Dakota Utah Wyoming
REGION 9	Arizona California Guam Hawaii Navajo Nation Nevada Trust Territories
REGION 10	Alaska Idaho Oregon Washington

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APPENDIX B

2005 EPA MANAGEMENT METHOD CODES

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EPA MANAGEMENT METHOD CODES

Code	Management Method Code Group
	RECLAMATION AND RECOVERY
H010	Metals recovery including retorting, smelting, chemical, etc.
H020	Solvents recovery (distillation, extraction, etc.)
H039	Other recovery or reclamation for reuse including acid regeneration, organics recovery, etc. (specify in comments)
H050	Energy recovery at this site - used as fuel (includes on-site fuel blending before energy recovery)
H061	Fuel blending prior to energy recovery at another site (waste generated either onsite or received from offsite)
	DESTRUCTION OR TREATMENT PRIOR TO DISPOSAL AT ANOTHER SITE
H040	Incineration - thermal destruction other than use as a fuel (includes any preparation prior to burning)
H071	Chemical reduction with or without precipitation (includes any preparation or final processes for consolidation of residuals)
H073	Cyanide destruction with or without precipitation (includes any preparation or final processes for consolidation of residuals)
H075	Chemical oxidation (includes any preparation or final processes for consolidation of residuals)
H076	Wet air oxidation (includes any preparation or final processes for consolidation of residuals)
H077	Other chemical precipitation with or without pre-treatment (includes processes for consolidation of residuals)
H081	Biological treatment with or without precipitation (includes any preparation or final processes for consolidation of residuals)
H082	Adsorption (as the major component of treatment)
H083	Air or steam stripping (as the major component of treatment)
H101	Sludge treatment and/or dewatering (as the major component of treatment; not H071-H075, H077, or H082)
H103	Absorption (as the major component of treatment)
H111	Stabilization or chemical fixation prior to disposal at another site (as the major component of treatment; not H071-H075, H077, or H082)
H112	Macro-encapsulation prior to disposal at another site (as the major component of treatment; not H071-H075, H077, or H082)
H121	Neutralization only (no other treatment)
H122	Evaporation (as the major component of treatment; not reportable as H071-H083)
H123	Settling or clarification (as the major component of treatment; not reportable as H071-H083)
H124	Phase separation (as the major component of treatment; not reportable as H071-H083)
H129	Other treatment (specify in comments; not reportable as H071-H124)
	DISPOSAL
H131	Land treatment or application (to include any prior treatment and/or stabilization)
H132	Landfill or surface impoundment that will be closed as landfill (to include prior treatment and/or stabilization)
H134	Deepwell or underground injection (with or without treatment)

EPA MANAGEMENT METHOD CODES

Code	Management Method Code Group
H135	Discharge to sewer/POTW or NPDES (with prior storage - with or without treatment)
	TRANSFER OFFSITE
H141	The site receiving this waste stored/bulked and transported the waste with no treatment or recovery (H010-H129), fuel blending (H061), or disposal (H131-H135) at that receiving site.

APPENDIX C

2005 HAZARDOUS WASTE REPORT FORM CODES

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EPA FORM CODES

Code	Form Code Group

MIXED MEDIA/DEBRIS/DEVICES

Waste that is a mixture of organic and inorganic wastes, liquid and solid wastes, or devices that are not easily categorized

W001	Lab packs from any source not containing acute hazardous waste
W002	Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, other solids (usually from construction, demolition, cleaning, or remediation)
W004	Lab packs from any source containing acute hazardous waste
W301	Contaminated soil (usually from spill clean up, demolition, or remediation); see also W512
W309	Batteries, battery parts, cores, casings (Lead-acid or other types)
W310	Filters, solid adsorbents, ion exchange resins and spent carbon (usually from production, intermittent processes, or remediation)
W320	Electrical devices (lamps, fluorescent lamps, or thermostats usually containing mercury; CRTs containing lead; etc.)
W512	Sediment or lagoon dragout, drilling or other muds (wet or muddy soils); see also W301
W801	Compressed gases of any type

INORGANIC LIQUIDS

Waste that is primarily inorganic and highly fluid (e.g., aqueous), with low suspended inorganic solids and low organic content

W101	Very dilute aqueous waste containing more than 99% water (land disposal restriction defined wastewater that is not exempt under NPDES or POTW discharge)
W103	Spent concentrated acid (5% or more)
W105	Acidic aqueous wastes less than 5% acid (diluted but pH < 2)
W107	Aqueous waste containing cyanides (generally caustic)
W110	Caustic aqueous waste without cyanides (pH > 12.5)
W113	Other aqueous waste or wastewaters (fluid but not sludge)
W117	Waste liquid mercury (metallic)
W119	Other inorganic liquid (specify in comments)

ORGANIC LIQUIDS

Waste that is primarily organic and is highly fluid, with low inorganic solids content and low-to-moderate water content

W200	Still bottoms in liquid form (fluid but not sludge)
W202	Concentrated halogenated (e.g., chlorinated) solvent
W203	Concentrated non-halogenated (e.g., non-chlorinated) solvent
W204	Concentrated halogenated/ non-halogenated solvent mixture
W205	Oil-water emulsion or mixture (fluid but not sludge)
W206	Waste oil
W209	Paint, ink, lacquer, or varnish (fluid - not dried out or sludge)
W210	Reactive or polymerizable organic liquids and adhesives (fluid but not sludge)
W211	Paint thinner or petroleum distillates
W219	Other organic liquid (specify in comments)

EPA FORM CODES

Code	Form Code Group

INORGANIC SOLIDS

Waste that is primarily inorganic and solid, with low organic content and low-to-moderate water content; not pumpable

W303	Ash (from any type of burning of hazardous waste)
W304	Slags, drosses, and other solid thermal residues
W307	Metal scale, filings and scrap (including metal drums)
W312	Cyanide or metal cyanide bearing solids, salts or chemicals
W316	Metal salts or chemicals not containing cyanides
W319	Other inorganic solids (specify in comments)

ORGANIC SOLIDS

Waste that is primarily organic and solid, with low-to-moderate inorganic content and water content; not pumpable

W401	Pesticide solids (used or discarded - not contaminated soils - W301)
W403	Solid resins, plastics or polymerized organics
W405	Explosives or reactive organic solids
W409	Other organic solids (specify in comments)

INORGANIC SLUDGES

Waste that is primarily inorganic, with moderate-to-high water content and low organic content; mostly pumpable

W501	Lime and/or metal hydroxide sludges and solids with no cyanides (not contaminated muds - W512)
W503	Gypsum sludges from wastewater treatment or air pollution control
W504	Other sludges from wastewater treatment or air pollution control
W505	Metal bearing sludges (including plating sludge) not containing cyanides
W506	Cyanide-bearing sludges (not contaminated soils - W512)
W519	Other inorganic sludges (not contaminated muds - W512; specify in comments)

ORGANIC SLUDGES

Waste that is primarily organic with low-to-moderate inorganic solids content and water content; pumpable

W603	Oily sludge (not contaminated muds - W512)
W604	Paint or ink sludges, still bottoms in sludge form (not contaminated muds - W512)
W606	Resins, tars, polymer or tarry sludge (not contaminated muds - W512)
W609	Other organic sludge (specify in comments)

APPENDIX D

EPA HAZARDOUS WASTE CODES

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EPA HAZARDOUS WASTE CODES

Code	Waste description
CHARACTERISTICS OF HAZARDOUS WASTE *(SEE 40 CFR 261.24)*	
D001	Ignitable waste
D002	Corrosive waste
D003	Reactive waste
D004	Arsenic
D005	Barium
D006	Cadmium
D007	Chromium
D008	Lead
D009	Mercury
D010	Selenium
D011	Silver
D012	Endrin
D013	Lindane
D014	Methoxychlor
D015	Toxaphene
D016	2,4-D
D017	2,4,5-TP Silvex
D018	Benzene
D019	Carbon tetrachloride
D020	Chlordane
D021	Chlorobenzene
D022	Chloroform
D023	o-Cresol
D024	m-Cresol
D025	p-Cresol
D026	Cresol
D027	1,4-Dichlorobenzene
D028	1,2-Dichloroethane
D029	1,1-Dichloroethylene
D030	2,4-Dinitrotoluene
D031	Heptachlor (and its epoxide)
D032	Hexachlorobenzene
D033	Hexachlorobutadiene
D034	Hexachloroethane
D035	Methyl ethyl ketone
D036	Nitrobenzene
D037	Pentachlorophenol
D038	Pyridine
D039	Tetrachloroethylene
D040	Trichlorethylene
D041	2,4,5-Trichlorophenol
D042	2,4,6-Trichlorophenol
D043	Vinyl chloride

EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description

HAZARDOUS WASTE FROM NONSPECIFIC SOURCES *(SEE 40 CFR 261.31)*

F001 The following spent halogenated solvents used in degreasing: tetrachloroethylene, trichlorethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.

F002 The following spent halogenated solvents: tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2, trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F001, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.

F003 The following spent non-halogenated solvents: xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/ blends containing, before use, only the above spent nonhalogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above nonhalogenated solvents, and a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.

F004 The following spent nonhalogenated solvents: cresols, cresylic acid, and nitrobenzene; and the still bottoms from the recovery of these solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above nonhalogenated solvents or those solvents listed in F001, F002, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.

F005 The following spent nonhalogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above nonhalogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.

F006 Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc, and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.

F007 Spent cyanide plating bath solutions from electroplating operations.

F008 Plating bath residues from the bottom of plating baths from electroplating operations in which cyanides are used in the process.

F009 Spent stripping and cleaning bath solutions from electroplating operations in which cyanides are used in the process.

F010 Quenching bath residues from oil baths from metal heat treating operations in which cyanides are used in the process.

F011 Spent cyanide solutions from slat bath pot cleaning from metal heat treating operations.

F012 Quenching wastewater treatment sludges from metal heat treating operations in which cyanides are used in the process.

EPA HAZARDOUS WASTE CODES

Code	Waste description
F019	Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process.
F020	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol.)
F021	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce derivatives.
F022	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.
F023	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexachlorophene from highly purified 2,4,5-trichlorophenol.)
F024	Process wastes including, but not limited to, distillation residues, heavy ends, tars, and reactor clean-out wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewaters, wastewater treatment sludge, spent catalysts, and wastes listed in Sections 261.31. or 261.32.)
F025	Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one, to and including five, with varying amounts and positions of chlorine substitution.
F026	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions.
F027	Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.)
F028	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA hazardous waste nos. F020, F021, F022, F023, F026, and F027.
F032	Wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use, or have previously used, chlorophenolic formulations [except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with Section 261.35 (i.e., the newly promulgated equipment cleaning or replacement standards), and where the generator does not resume or initiate use of chlorophenolic formulations]. (This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.)

EPA HAZARDOUS WASTE CODES

Code	Waste description

F034 Wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.

F035 Wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.

F037 Petroleum refinery primary oil/water/solids separation sludge - Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow, sludge generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in §261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing. This listing does include residuals generated from processing or recycling oil-bearing hazardous secondary materials excluded under §261.4(a)(12)(i), if those residuals are to be disposed of.

F038 Petroleum refinery secondary (emulsified) oil/water/solids separation sludge - Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated in aggressive biological treatment units as defined in Section 261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units), and F037, K048, and K051 wastes are exempted from this listing.

F039 Leachate resulting from the treatment, storage, or disposal of wastes classified by more than one waste code under Subpart D, or from a mixture of wastes classified under Subparts C and D of this part. (Leachate resulting from the management of one or more of the following EPA Hazardous Wastes and no other hazardous wastes retains its hazardous waste code(s): F020, F021, F022, F023, F026, F027, and/or F028.)

HAZARDOUS WASTE FROM SPECIFIC SOURCES
(SEE 40 CFR 261.32)

K001 Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.

K002 Wastewater treatment sludge from the production of chrome yellow and orange pigments.

K003 Wastewater treatment sludge from the production of molybdate orange pigments.

K004 Wastewater treatment sludge from the production of zinc yellow pigments.

K005 Wastewater treatment sludge from the production of chrome green pigments.

K006 Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).

EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
K007	Wastewater treatment sludge from the production of iron blue pigments.	**K025**	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.
K008	Oven residue from the production of chrome oxide green pigments.	**K026**	Stripping still tails from the production of methyl ethyl pyridines.
K009	Distillation bottoms from the production of acetaldehyde from ethylene.	**K027**	Centrifuge and distillation residues from toluene diisocyanate production.
K010	Distillation side cuts from the production of acetaldehyde from ethylene.	**K028**	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile.	**K029**	Waste from the product steam stripper in the production of 1,1,1-trichloroethane.
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile.	**K030**	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile.	**K031**	By-product salts generated in the production of MSMA and cacodylic acid.
K015	Still bottoms from the distillation of benzyl chloride.	**K032**	Wastewater treatment sludge from the production of chlordane.
K016	Heavy ends or distillation residues from the production of carbon tetrachloride.	**K033**	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.	**K034**	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.
K018	Heavy ends from the fractionation column in ethyl chloride production.	**K035**	Wastewater treatment sludges generated in the production of creosote.
K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.	**K036**	Still bottoms from toluene reclamation distillation in the production of disulfoton.
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.	**K037**	Wastewater treatment sludges from the production of disulfoton.
K021	Aqueous spent antimony catalyst waste from fluoromethane production.	**K038**	Wastewater from the washing and stripping of phorate production.
K022	Distillation bottom tars from the production of phenol/acetone from cumene.	**K039**	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.
K023	Distillation light ends from the production of phthalic anhydride from naphthalene.	**K040**	Wastewater treatment sludge from the production of phorate.
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene.	**K041**	Wastewater treatment sludge from the production of toxaphene.

EPA HAZARDOUS WASTE CODES

Code	Waste description
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.
K043	2,6-dichlorophenol waste from the production of 2,4-D.
K044	Wastewater treatment sludges from the manufacturing and processing of explosives.
K045	Spent carbon from the treatment of wastewater containing explosives.
K046	Wastewater treatment sludges from the manufacturing, formulation, and loading of lead-based initiating compounds.
K047	Pink/red water from TNT operations.
K048	Dissolved air flotation (DAF) float from the petroleum refining industry.
K049	Slop oil emulsion solids from the petroleum refining industry.
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry.
K051	API separator sludge from the petroleum refining industry.
K052	Tank bottoms (leaded) from the petroleum refining industry.
K060	Ammonia still lime sludge from coking operations.
K061	Emission control dust/sludge from the primary production of steel in electric furnaces.
K062	Spent pickle liquor from steel finishing operations of plants that produce iron or steel.
K064	Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production.
K065	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.
K066	Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production.
K069	Emission control dust/sludge from secondary lead smelting.
K071	Brine purification muds from the mercury cell process in chlorine production, in which separately prepurified brine is not used.
K073	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.
K083	Distillation bottoms from aniline production.
K084	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes.
K086	Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.
K087	Decanter tank tar sludge from coking operations.
K088	Spent potliners from primary aluminum reduction.
K090	Emission control dust or sludge from ferrochromiumsilicon production.
K091	Emission control dust or sludge from ferrochromium production.
K093	Distillation light ends from the production of phthalic anhydride from ortho-xylene.
K094	Distillation bottoms from the production of phthalic anhydride from ortho-xylene.
K095	Distillation bottoms from the production of 1,1,1-trichloroethane.
K096	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.

EPA HAZARDOUS WASTE CODES

Code	Waste description
K097	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.
K098	Untreated process wastewater from the production of toxaphene.
K099	Untreated wastewater from the production of 2,4-D.
K100	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.
K101	Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
K102	Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
K103	Process residues from aniline extraction from the production of aniline.
K104	Combined wastewaters generated from nitrobenzene/aniline production.
K105	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.
K106	Wastewater treatment sludge from the mercury cell process in chlorine production.
K107	Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.
K108	Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine from carboxylic acid hydrazides.
K109	Spent filter cartridges from product purification from the product of 1,1-dimethylhydrazine from carboxylic acid hydrazides.
K110	Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine from carboxylic acid hydrazides.
K111	Product washwaters from the production of dinitrotoluene via nitration of toluene.
K112	Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.
K113	Condensed liquid light ends from purification of toluenediamine in production of toluenediamine via hydrogenation of dinitrotoluene.
K114	Vicinals from the purification of toluenediamine in production of toluenediamine via hydrogenation of dinitrotoluene.
K115	Heavy ends from purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.
K116	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.
K117	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.
K118	Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.
K123	Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts.
K124	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.
K125	Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.
K126	Baghouse dust and floor sweepings in milling and packaging operations from production or formulation of ethylenebisdithiocarbamic acid and its salts.

EPA HAZARDOUS WASTE CODES

Code	Waste description
K131	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.
K132	Spent absorbent and wastewater separator solids from the production of methyl bromide.
K136	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.
K141	Process residues from the recovery of coal tar, including, but not limited to, tar collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank sludge from coking operations).
K142	Tank storage residues from the production of coke from coal or from the recovery of coke by-products from coal.
K143	Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.
K144	Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.
K145	Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.
K147	Tar storage residues from coal tar refining.
K148	Residues from coal tar distillation, including, but not limited to, still bottoms.
K149	Distillation bottoms from the production of alpha (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. [This waste does not include still bottoms from the distillation of benzoyl chloride]
K150	Organic residuals excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha (or methyl-) chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.
K151	Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha (or methyl-) chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.
K156	Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decamtates) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2propynl n-butylcarbamate.).
K157	Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2propynl n-butylcarbamate.).
K158	Bag house and filter/separation solids from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2propynl n-butylcarbamate).
K159	Organics from the treatment of thiocarbamate wastes.
K161	Purification soilids (including filtration, evaporation, and centrifugation soilds), bag house dust and floor sweepings from the production of dithiocarbamate acids and their salts. (This listing does not include K125 or K126).
K169	Crude oil tank sediment from petroleum refining operations.
K170	Clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations.

EPA HAZARDOUS WASTE CODES

Code	Waste description
K171	Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (This listing does not include inert support media).
K172	Spent hydrorefining catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (This listing does not include inert support media).
K174	Wastewater treatment sludges from the production of ethylene dichloride or vinyl chloride monomer (including sludges that result from commingled ethylene dichloride or vinyl chloride monomer wastewater and other wastewater), unless the sludges meet the following conditions: (i) they are disposed of in a subtitle C or non-hazardous landfill licensed or permitted by the state or federal government; (ii) they are not otherwise placed on the land prior to final disposal; and (iii) the generator maintains documentation demonstrating that the waste was either disposed of in an on-site landfill or consigned to a transporter or disposal facility that provided a written commitment to dispose of the waste in an off-site landfill. Respondents in any action brought to enforce the requirements of subtitle C must, upon a showing by the government that the respondent managed wastewater treatment sludges from the production of vinyl chloride monomer or ethylene dichloride, demonstrate that they meet the terms of the exclusion set forth above. In doing so, they must provide appropriate documentation (e.g.,contracts between the generator and the landfill owner/operator, invoices documenting delivery of waste to landfill, etc.) that the terms of the exclusion were met.*
K175	Wastewater treatment sludges from the production of vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process.*
K176	Baghouse filters from the production of antimony oxide, including filters from the production of intermediates (e.g.,antimony metal or crude antimony oxide)
K177	Slag from the production of antimony oxide that is speculatively accumulated or disposed,including slag from the production of intermediates (e.g.,antimony metal or crude antimony oxide)
K178	Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride-ilmenite process.
K181	Nonwastewaters from the production of dyes and/or pigments (including nonwastewaters commingled at the point of generation with nonwastewaters from other processes).

DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUALS, AND SPILL RESIDUES THEREOF – ACUTE HAZARDOUS WASTE *(SEE 40 CFR 261.33 FOR AN ALPHABETIZED LISTING)*

P001	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%
P001	Warfarin, & salts, when present at concentrations greater than 0.3%
P002	1-Acetyl-2-thiourea
P002	Acetamide, N-(aminothioxomethyl)-
P003	2-Propenal
P003	Acrolein
P004	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexa-chloro-1,4,4a,5,8,8a,-hexahydro-, (1alpha, 4alpha, 4abeta, 5alpha, 8alpha, 8abeta)-
P004	Aldrin
P005	2-Propen-1-ol
P005	Allyl alcohol
P006	Aluminum phosphide (R,T)
P007	3(2H)-Isoxazolone, 5-(aminomethyl)-
P007	5-(Aminomethyl)-3-isoxazolol
P008	4-Aminopyridine
P008	4-Pyridinamine
P009	Ammonium picrate (R)
P009	Phenol, 2,4,6-trinitro-, ammonium salt (R)
P010	Arsenic acid H3AsO4
P011	Arsenic oxide As2O5
P011	Arsenic pentoxide
P012	Arsenic oxide As2O3
P012	Arsenic trioxide
P013	Barium cyanide
P014	Benzenethiol
P014	Thiophenol

EPA HAZARDOUS WASTE CODES

Code	Waste description
P015	Beryllium powder
P016	Dichloromethyl ether
P016	Methane, oxybis[chloro-
P017	2-Propanone, 1-bromo-
P017	Bromoacetone
P018	Brucine
P018	Strychnidin-10-one, 2,3-dimethoxy-
P020	Dinoseb
P020	Phenol, 2-(1-methylpropyl)-4,6-dinitro-
P021	Calcium cyanide
P021	Calcium cyanide Ca(CN)2
P022	Carbon disulfide
P023	Acetaldehyde, chloro-
P023	Chloroacetaldehyde
P024	Benzenamine, 4-chloro-
P024	p-Chloraniline
P026	1-(o-Chlorophenyl)thiourea
P026	Thiourea, (2-chlorophenyl)-
P027	3-Chloropropionitrile
P027	Propanenitrile, 3-chloro-
P028	Benzene, (chloromethyl)-
P028	Benzyl chloride
P029	Copper cyanide
P029	Copper cyanide Cu(CN)
P030	Cyanides (soluble cyanide salts), not otherwise specified
P031	Cyanogen
P031	Ethanedinitrile
P033	Cyanogen chloride
P033	Cyanogen chloride (CN)Cl
P034	2-Cyclohexyl-4,6-dinitrophenol
P034	Phenol, 2-cyclohexyl-4,6-dinitro-
P036	Arsonous dichloride, phenyl-
P036	Dichlorophenylarsine
P037	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha, 2beta, 2aalpha, 3beta, 6beta, 6aalpha, 7beta, 7aalpha)-
P037	Dieldrin
P038	Arsine, diethyl-
P038	Diethylarsine
P039	Disulfoton
P039	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester
P040	O,O-Diethyl O-pyrazinyl phosphorothioate
P040	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester
P041	Diethyl-p-nitrophenyl phosphate
P041	Phosphoric acid, diethyl 4-nitrophenyl ester
P042	1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-, (R)-
P042	Epinephrine
P043	Diisopropylfluorophosphate (DFP)
P043	Phosphorofluoridic acid, bis(1-methylethyl) ester
P044	Dimethoate
P044	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester
P045	2-Butanone, 3,3-dimethyl-1-(methylthio)-, O-[methylamino)carbonyl] oxime
P045	Thiofanox
P046	alpha,alpha-Dimethylphenethylamine
P046	Benzeneethanamine, alpha, alpha-dimethyl-
P047	4,6-Dinitro-o-cresol, & salts
P047	Phenol, 2-methyl-4,6-dinitro-, & salts
P048	2,4-Dinitrophenol
P048	Phenol, 2,4-dinitro-
P049	Dithiobiuret
P049	Thioimidodicarbonic diamide [(H2N)C(S)]2NH
P050	6,9-Methano-2,4,3-benzodioxathiepin,6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-,3-oxide
P050	Endosulfan
P051	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha, 2beta, 2abeta, 3alpha, 6alpha, 6abeta, 7beta, 7aalpha)- & metabolites
P051	Endrin
P051	Endrin, & metabolites
P054	Aziridine
P054	Ethyleneimine
P056	Fluorine
P057	Acetamide, 2-fluoro-
P057	Fluoroacetamide
P058	Acetic acid, fluoro-, sodium salt
P058	Fluoroacetic acid, sodium salt
P059	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-
P059	Heptachlor
P060	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a,-hexahydro-, (1alpha, 4alpha, 4abeta, 5beta, 8beta, 8abeta)-
P060	Isodrin
P062	Hexaethyl tetraphosphate
P062	Tetraphosphoric acid, hexaethyl ester
P063	Hydrocyanic acid
P063	Hydrogen cyanide
P064	Methane, isocyanato-
P064	Methyl isocyanate
P065	Fulminic acid, mercury(2+) salt (R,T)
P065	Mercury fulminate (R,T)
P066	Ethanimidothioic acid, N-[[(methylamino)carbonyl]oxy]-, methyl ester
P066	Methomyl

EPA HAZARDOUS WASTE CODES

Code	Waste description
P067	1,2-Propylenimine
P067	Aziridine, 2-methyl-
P068	Hydrazine, methyl-
P068	Methyl hydrazine
P069	2-Methyllactonitrile
P069	Propanenitrile, 2-hydroxy-2-methyl-
P070	Aldicarb
P070	Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime
P071	Methyl parathion
P071	Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester
P072	alpha-Naphthylthiourea
P072	Thiourea, 1-naphthalenyl-
P073	Nickel carbonyl
P073	Nickel carbonyl Ni(CO)4, (T-4)-
P074	Nickel cyanide
P074	Nickel cyanide Ni(CN)2
P075	Nicotine, & salts
P075	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-,(S)-, & salts
P076	Nitric oxide
P076	Nitrogen oxide NO
P077	Benzenamine, 4-nitro-
P077	p-Nitroaniline
P078	Nitrogen dioxide
P078	Nitrogen oxide NO2
P081	1,2,3-Propanetriol, trinitrate (R)
P081	Nitroglycerine (R)
P082	Methanimine, N-methyl-N-nitroso-
P082	N-Nitrosodimethylamine
P084	N-Nitrosomethylvinylamine
P084	Vinylamine, N-methyl-N-nitroso-
P085	Diphosphoramide, octamethyl-
P085	Octamethylpyrophosphoramide
P087	Osmium oxide OsO4, (T-4)-
P087	Osmium tetroxide
P088	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid
P088	Endothall
P089	Parathion
P089	Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester
P092	Mercury, (acetato-O)phenyl-
P092	Phenylmercury acetate
P093	Phenylthiourea
P093	Thiourea, phenyl-
P094	Phorate
P094	Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester
P095	Carbonic dichloride
P095	Phosgene
P096	Hydrogen phosphide
P096	Phosphine
P097	Famphur
P097	Phosphorothioic acid O-[4-[(dimethylamino)sulfonyl]phenyl] O,O-dimethyl ester
P098	Potassium cyanide
P098	Potassium cyanide K(CN)
P099	Argentate (1-), bis(cyano-C)-, potassium
P099	Potassium silver cyanide
P101	Ethyl cyanide
P101	Propanenitrile
P102	2-Propyn-1-ol
P102	Propargyl alcohol
P103	Selenourea
P104	Silver cyanide
P104	Silver cyanide Ag(CN)
P105	Sodium azide
P106	Sodium cyanide
P106	Sodium cyanide Na(CN)
P107	Strontium sulfide srs
P108	Strychnidin-10-one, & salts
P108	Strychnine, & salts
P109	Tetraethyldithiopyrophosphate
P109	Thiodiphosphoric acid, tetraethyl ester
P110	Plumbane, tetraethyl-
P110	Tetraethyl lead
P111	Diphosphoric acid, tetraethyl ester
P111	Tetraethyl pyrophosphate
P112	Methane, tetranitro- (R)
P112	Tetranitromethane (R)
P113	Thallic oxide
P113	Thallium oxide Tl2O3
P114	Selenious acid, dithallium (1+) salt
P114	Thallium(I) selenite
P115	Sulfuric acid, dithallium (1+) salt
P115	Thallium(I) sulfate
P116	Hydrazinecarbothioamide
P116	Thiosemicarbazide
P118	Methanethiol, trichloro-
P118	Trichloromethanethiol
P119	Ammonium vanadate
P119	Vanadic acid, ammonium salt
P120	Vanadium oxide V2O5
P120	Vanadium pentoxide
P121	Zinc cyanide
P121	Zinc cyanide Zn(CN)2
P122	Zinc phosphide Zn3P2, when present at concentrations greater than 10% (R,T)
P123	Toxaphene
P127	7-Benzofuranol, 2-3dihydro-2,2-dimethyl-, methylcarbamate
P127	Carbofuran.

EPA HAZARDOUS WASTE CODES

Code	Waste description
P127	7-Benzufuranol, 2, 3-dihydro-2, 2 dimethyl-, methylcarbamate
P128	Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester)
P128	Mexacarbate
P185	1,3-Dithiolane-2carboxaldehyde, 2,4-dimethyl-, O-[(methylamino)-carbonyl]oxime.
P188	Physostigmine salicylate
P189	Carbosulfan
P189	Carbamic acid, [(dibutylamino)-thio]methyl-,2,3-dihydro-2,2dimethyl-7benzofuranyl ester.
P190	Metolcarb.
P191	Dimetilan
P191	Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]-5-methyl-1H-pyrazol-3- yl ester.
P192	Isolan
P192	Carbamic acid, dimethyl-, 3-methyl-1- (1-methylethyl)-1H-pyrazo-5-yl ester.
P194	Ethanimidothioc acid, 2-(dimethylamino)-N-[((methylamino) carbonyl)oxy)-2-oxo-,methyl ester
P194	Oxamyl
P196	Manganese, bis(dimethylcarbamodithioato-S,S')
P196	Manganese dimethyldithiocarbamate
P197	Formparanate
P197	Methanimidamide, N,N-dimethyl-N'-[2-methyl-4[[(methylamino)carbonyl)oxy] phenyl]
P198	Methanimidamide, N,N-dimethyl-N'-[3-[[(methylamino)-carbonyl]oxy]phenyl]-, monohydrochloride
P198	Formetanate hydrochloride
P199	Methiocarb.
P199	Phenol, (3,5-dimethyl-4(methlthio)-, methylcarbamate
P201	Promecarb
P201	Phenol, 3-methyl-5-(1-methylethyl)-,methyl carbamate
P202	Phenol, 3-(1 methylethyl)-, methyl carbamate
P202	3-Isopropylphenyl N-methylcarbamate
P202	m-Cumenyl methylcarbamate
P203	Aldicarb sulfone.
P203	Propanal, 2-methyl-2-(methyl-sulfonyl)-,O-[(methylamino)carbonyl]oxime
P204	Physostigmine
P204	Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1, 3a,8-trimethylmethylcarbamate (ester), (3aS-cis)-
P205	Ziram

Code	Waste description
DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUES, AND SPILL RESIDUES THEREOF – TOXIC WASTES *(SEE 40 CFR 261.33 FOR AN ALPHABETIZED LISTING)*	
See F027	2,3,4,6-Tetrachlorophenol 2,4,5-T 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Acetic acid, (2,4,5-trichlorophenoxy)- Pentachlorophenol Phenol, 2,3,4,6-tetrachloro- Phenol, 2,4,5-trichloro- Phenol, 2,4,6-trichloro- Phenol, pentachloro- Propanoic acid, 2-(2,4,5-trichlorophenoxy)- Silvex (2,4,5-TP)
U001	Acetaldehyde (I)
U001	Ethanal (I)
U002	2-Propanone (I)
U002	Acetone (I)
U003	Acetonitrile (I,T)
U004	Acetophenone
U004	Ethanone, 1-phenyl-
U005	2-Acetylaminofluorene
U005	Acetamide, N-9H-fluoren-2-yl
U006	Acetyl chloride (C,R,T)
U007	2-Propenamide
U007	Acrylamide
U008	2-Propenoic acid (I)
U008	Acrylic acid (I)
U009	2-Propenenitrile
U009	Acrylonitrile**U010**Azirino [2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8-[[(aminocarbonyl)oxy] methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha, 8beta, 8aalpha, 8balpha)]-
U010	Mitomycin C
U011	1H-1,2,4-Triazol-3-amine
U011	Amitrole
U012	Aniline (I,T)
U012	Benzenamine (I,T)
U014	Auramine
U014	Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-
U015	Azaserine
U015	L-Serine, diazoacetate (ester)
U016	Benz[c]acridine
U017	Benzal chloride
U017	Benzene, (dichloromethyl)-
U018	Benz[a]anthracene

EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
U019	Benzene (I,T)	**U045**	Methane, chloro- (I,T)
U020	Benzenesulfonic acid chloride (C,R)	**U045**	Methyl chloride (I,T)
U020	Benzenesulfonyl chloride (C,R)	**U046**	Chloromethyl methyl ether
U021	[1,1'-Biphenyl]-4,4'-diamine	**U046**	Methane, chloromethoxy-
U021	Benzidine	**U047**	beta-Chloronaphthalene
U022	Benzo[a]pyrene	**U047**	Naphthalene, 2-chloro-
U023	Benzene, (trichloromethyl)-	**U048**	o-Chlorophenol
U023	Benzotrichloride (C,R,T)	**U048**	Phenol, 2-chloro-
U024	Dichloromethoxy ethane	**U049**	4-Chloro-o-toluidine, hydrochloride
U024	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-	**U049**	Benzenamine, 4-chloro-2-methyl-, hydrochloride
U025	Dichloroethyl ether	**U050**	Chrysene
U025	Ethane, 1,1'-oxybis[2-chloro-	**U051**	Creosote
U026	Chlornaphazin	**U052**	Cresol (Cresylic acid)
U026	Naphthalenamine, N,N'-bis(2-chloroethyl)-	**U052**	Phenol, methyl-
U027	Dichloroisopropyl ether	**U053**	2-Butenal
U027	Propane, 2,2'-oxybis[2-chloro-	**U053**	Crotonaldehyde
U028	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	**U055**	Benzene, (1-methylethyl)- (I)
		U055	Cumene (I)
U028	Diethylhexyl phthalate	**U056**	Benzene, hexahydro- (I)
U029	Methane, bromo-	**U056**	Cyclohexane (I)
U029	Methyl bromide	**U057**	Cyclohexanone (I)
U030	4-Bromophenyl phenyl ether	**U058**	2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide
U030	Benzene, 1-bromo-4-phenoxy-		
U031	1-Butanol (I)	**U058**	Cyclophosphamide
U031	n-Butyl alcohol (I)	**U059**	5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy)-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-
U032	Calcium chromate		
U032	Chromic acid H2CrO4, calcium salt		
U033	Carbon oxyfluoride (R,T)		
U033	Carbonic difluoride	**U059**	Daunomycin
U034	Acetaldehyde, trichloro-	**U060**	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-
U034	Chloral	**U060**	DDD
U035	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-	**U061**	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-
U035	Chlorambucil	**U061**	DDT
U036	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	**U062**	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester
		U062	Diallate
U036	Chlordane, alpha & gamma isomers	**U063**	Dibenz[a,h]anthracene
U037	Benzene, chloro-	**U064**	Benzo[rst]pentaphene
U037	Chlorobenzene	**U064**	Dibenzo[a,i]pyrene
U038	Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester	**U066**	1,2-Dibromo-3-chloropropane
		U066	Propane, 1,2-dibromo-3-chloro-
U038	Chlorobenzilate	**U067**	Ethane, 1,2-dibromo-
U039	p-Chloro-m-cresol	**U067**	Ethylene dibromide
U039	Phenol, 4-chloro-3-methyl-	**U068**	Methane, dibromo-
U041	Epichlorohydrin	**U068**	Methylene bromide
U041	Oxirane, (chloromethyl)-	**U069**	1,2-Benzenedicarboxylic acid, dibutyl ester
U042	2-Chloroethyl vinyl ether	**U069**	Dibutyl phthalate
U042	Ethene, (2-chloroethoxy)-	**U070**	Benzene, 1,2-dichloro-
U043	Ethene, chloro-	**U070**	o-Dichlorobenzene
U043	Vinyl chloride	**U071**	Benzene, 1,3-dichloro-
U044	Chloroform	**U071**	m-Dichlorobenzene
U044	Methane, trichloro-		

EPA HAZARDOUS WASTE CODES

Code	Waste description
U072	Benzene, 1,4-dichloro-
U072	p-Dichlorobenzene
U073	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-
U073	3,3'-Dichlorobenzidine
U074	1,4-Dichloro-2-butene (I,T)
U074	2-Butene, 1,4-dichloro- (I,T)
U075	Dichlorodifluoromethane
U075	Methane, dichlorodifluoro-
U076	Ethane, 1,1-dichloro-
U076	Ethylidene dichloride
U077	Ethane, 1,2-dichloro-
U077	Ethylene dichloride
U078	1,1-Dichloroethylene
U078	Ethene, 1,1-dichloro-
U079	1,2-Dichloroethylene
U079	Ethene, 1,2-dichloro-,(E)-
U080	Methane, dichloro-
U080	Methylene chloride
U081	2,4-Dichlorophenol
U081	Phenol, 2,4-dichloro-
U082	2,6-Dichlorophenol
U082	Phenol, 2,6-dichloro-
U083	Propane, 1,2-dichloro-
U083	Propylene dichloride
U084	1,3-Dichloropropene
U084	1-Propene, 1,3-dichloro-
U085	1,2:3,4-Diepoxybutane (I,T)
U085	2,2'-Bioxirane
U086	Hydrazine, 1,2-diethyl-
U086	N,N'-Diethylhydrazine
U087	O,O-Diethyl S-methyl dithiophosphate
U087	Phosphorodithioic acid, O,O-diethyl S-methyl ester
U088	1,2-Benzenedicarboxylic acid, diethyl ester
U088	Diethyl phthalate
U089	Diethylstilbesterol
U089	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis, (E)-
U090	1,3-Benzodioxole, 5-propyl-
U090	Dihydrosafrole
U091	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-
U091	3,3'-Dimethoxybenzidine
U092	Dimethylamine (I)
U092	Methanamine, N-methyl- (I)
U093	Benzenamine, N,N-dimethyl-4-(phenylazo)-
U093	p-Dimethylaminoazobenzene
U094	7,12-Dimethylbenz[a]anthracene
U094	Benz[a]anthracene, 7,12-dimethyl-
U095	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-
U095	3,3'-Dimethylbenzidine
U096	alpha,alpha-Dimethylbenzylhydroperoxide (R)
U096	Hydroperoxide, 1-methyl-1-phenylethyl- (R)
U097	Carbamic chloride, dimethyl-
U097	Dimethylcarbamoyl chloride
U098	1,1-Dimethylhydrazine
U098	Hydrazine, 1,1-dimethyl-
U099	1,2-Dimethylhydrazine
U099	Hydrazine, 1,2-diphenyl-
U101	2,4-Dimethylphenol
U101	Phenol, 2,4-dimethyl-
U102	1,2-Benzenedicarboxylic acid, dimethyl ester
U102	Dimethyl phthalate
U103	Dimethyl sulfate
U103	Sulfuric acid, dimethyl ester
U105	2,4-Dinitrotoluene
U105	Benzene, 1-methyl-2,4-dinitro-
U106	2,6-Dinitrotoluene
U106	Benzene, 2-methyl-1,3-dinitro-
U107	1,2-Benzenedicarboxylic acid, dioctyl ester
U107	Di-n-octyl phthalate
U108	1,4-Diethyleneoxide
U108	1,4-Dioxane
U109	1,2-Diphenylhydrazine
U109	Hydrazine, 1,2-diphenyl-
U110	1-Propanimine, N-propyl-(I)
U110	Dipropylamine (I)
U111	1-Propanamine, N-nitroso-N-propyl-
U111	Di-n-propylnitrosamine
U112	Acetic acid, ethyl ester (I)
U112	Ethyl acetate (I)
U113	2-Propenoic acid, ethyl ester (I)
U113	Ethyl acrylate (I)
U114	Carbamodithioic acid, 1,2-ethanediylbis-, salts & esters
U114	Ethylenebisdithiocarbamic acid, salts & esters
U115	Ethylene oxide (I,T)
U115	Oxirane (I,T)
U116	2-Imidazolidinethione
U116	Ethylenethiourea
U117	Ethane, 1,1'-oxybis-(I)
U117	Ethyl ether (I)
U118	2-Propenoic acid, 2-methyl-, ethyl ester
U118	Ethyl methacrylate
U119	Ethyl methanesulfonate
U119	Methanesulfonic acid, ethyl ester
U120	Fluoranthene
U121	Methane, trichlorofluoro-
U121	Trichloromonofluoromethane
U122	Formaldehyde
U123	Formic acid (C,T)
U124	Furan (I)

EPA HAZARDOUS WASTE CODES

Code	Waste description
U124	Furfuran (I)
U125	2-Furancarboxaldehyde (I)
U125	Furfural (I)
U126	Glycidylaldehyde
U126	Oxiranecarboxyaldehyde
U127	Benzene, hexachloro-
U127	Hexachlorobenzene
U128	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-
U128	Hexachlorobutadiene
U129	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha, 2alpha, 3beta, 4alpha, 5alpha, 6beta)-
U129	Lindane
U130	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-
U130	Hexachlorocyclopentadiene
U131	Ethane, hexachloro-
U131	Hexachloroethane
U132	Hexachlorophene
U132	Phenol, 2,2'-methylenebis[3,4,6-trichloro-
U133	Hydrazine (R,T)
U134	Hydrofluoric acid (C,T)
U134	Hydrogen fluoride (C,T)
U135	Hydrogen sulfide
U135	Hydrogen sulfide H2S
U136	Arsinic acid, dimethyl-
U136	Cacodylic acid
U137	Indeno[1,2,3-cd]pyrene
U138	Methane, iodo-
U138	Methyl iodide
U140	1-Propanol, 2-methyl- (I,T)
U140	Isobutyl alcohol (I,T)
U141	1,3-Benzodioxole, 5-(1-propenyl)-
U141	Isosafrole
U142	1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-
U142	Kepone
U143	2-Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z), 7(2S*,3R*), 7aalpha]]-
U143	Lasiocarpine
U144	Acetic acid, lead(2+) salt
U144	Lead acetate
U145	Lead phosphate
U145	Phosphoric acid, lead(2+) salt (2:3)
U146	Lead subacetate
U146	Lead, bis(acetato-O)tetrahydroxytri-
U147	2,5-Furandione
U147	Maleic anhydride
U148	3,6-Pyridazinedione, 1,2-dihydro-
U148	Maleic hydrazide
U149	Malononitrile
U149	Propanedinitrile
U150	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-
U150	Melphalan
U151	Mercury
U152	2-Propenenitrile, 2-methyl- (I,T)
U152	Methacrylonitrile (I,T)
U153	Methanethiol (I,T)
U153	Thiomethanol (I,T)
U154	Methanol (I)
U154	Methyl alcohol (I)
U155	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-
U155	Methapyrilene
U156	Carbonochloridic acid, methyl ester, (I,T)
U156	Methyl chlorocarbonate (I,T)
U157	3-Methylcholanthrene
U157	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-
U158	4,4'-Methylenebis(2-chloroaniline)
U158	Benzenamine, 4,4'-methylenebis[2-chloro-
U159	2-Butanone (I,T)
U159	Methyl ethyl ketone (MEK) (I,T)
U160	2-Butanone, peroxide (R,T)
U160	Methyl ethyl ketone peroxide (R,T)
U161	4-Methyl-2-pentanone (I)
U161	Methyl isobutyl ketone (I)
U161	Pentanol, 4-methyl-
U162	2-Propenoic acid, 2-methyl-, methyl ester (I,T)
U162	Methyl methacrylate (I,T)
U163	Guanidine, N-methyl-N'-nitro-N-nitroso-
U163	MNNG
U164	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-
U164	Methylthiouracil
U165	Naphthalene
U166	1,4-Naphthalenedione
U166	1,4-Naphthoquinone
U167	1-Napthalenamine
U167	alpha-Naphthylamine
U168	2-Napthalenamine
U168	beta-Naphthylamine
U169	Benzene, nitro-
U169	Nitrobenzene (I,T)
U170	p-Nitrophenol (I,T)
U170	Phenol, 4-nitro-
U171	2-Nitropropane (I,T)
U171	Propane, 2-nitro- (I,T)
U172	1-Butanamine, N-butyl-N-nitroso-
U172	N-Nitrosodi-n-butylamine
U173	Ethanol, 2,2'-(nitrosoimino)bis-
U173	N-Nitrosodiethanolamine

EPA HAZARDOUS WASTE CODES

Code	Waste description
U174	Ethanamine, N-ethyl-N-nitroso-
U174	N-Nitrosodiethylamine
U176	N-Nitroso-N-ethylurea
U176	Urea, N-ethyl-N-nitroso-
U177	N-Nitroso-N-methylurea
U177	Urea, N-methyl-N-nitroso-
U178	Carbamic acid, methylnitroso-, ethyl ester
U178	N-Nitroso-N-methylurethane
U179	N-Nitrosopiperidine
U179	Piperidine, 1-nitroso-
U180	N-Nitrosopyrrolidine
U180	Pyrrolidine, 1-nitroso-
U181	5-Nitro-o-toluidine
U181	Benzenamine, 2-methyl-5-nitro
U182	1,3,5-Trioxane, 2,4,6-trimethyl-
U182	Paraldehyde
U183	Benzene, pentachloro-
U183	Pentachlorobenzene
U184	Ethane, pentachloro-
U184	Pentachloroethane
U185	Benzene, pentachloronitro-
U185	Pentachloronitrobenzene (PCNB)
U186	1,3-Pentadiene (I)
U186	1-Methylbutadiene (I)
U187	Acetamide, N-(4-ethoxyphenyl)-
U187	Phenacetin
U188	Phenol
U189	Phosphorus sulfide (R)
U189	Sulfur phosphide (R)
U190	1,3-Isobenzofurandione
U190	Phthalic anhydride
U191	2-Picoline
U191	Pyridine, 2-methyl-
U192	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-
U192	Pronamide
U193	1,2-Oxathiolane, 2,2-dioxide
U193	1,3-Propane sultone
U194	1-Propanamine (I,T)
U194	n-Propylamine (I,T)
U196	Pyridine
U197	2,5-Cyclohexadiene-1,4-dione
U197	p-Benzoquinone
U200	Reserpine
U200	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl) oxy]-, methyl ester, (3beta, 16beta, 17alpha, 18beta, 20alpha)-
U201	1,3-Benzenediol
U201	Resorcinol
U202	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts
U202	Saccharin, & salts
U203	1,3-Benzodioxole, 5-(2-propenyl)-
U203	Safrole
U204	Selenious acid
U204	Selenium dioxide
U205	Selenium sulfide
U205	Selenium sulfide SeS2 (R,T)
U206	D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-
U206	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-,D-
U206	Streptozotocin
U207	1,2,4,5-Tetrachlorobenzene
U207	Benzene, 1,2,4,5-tetrachloro-
U208	1,1,1,2-Tetrachloroethane
U208	Ethane, 1,1,1,2-tetrachloro-
U209	1,1,2,2-Tetrachloroethane
U209	Ethane, 1,1,2,2-tetrachloro-
U210	Ethene, tetrachloro-
U210	Tetrachloroethylene
U211	Carbon tetrachloride
U211	Methane, tetrachloro-
U213	Furan, tetrahydro-(I)
U213	Tetrahydrofuran (I)
U214	Acetic acid, thallium(1+) salt
U214	Thallium(I) acetate
U215	Carbonic acid, dithallium(1+) salt
U215	Thallium(I) carbonate
U216	Thallium chloride Tlcl
U216	Thallium(I) chloride
U217	Nitric acid, thallium(1+) salt
U217	Thallium(I) nitrate
U218	Ethanethioamide
U218	Thioacetamide
U219	Thiourea
U220	Benzene, methyl-
U220	Toluene
U221	Benzenediamine, ar-methyl-
U221	Toluenediamine
U222	Benzenamine, 2-methyl-, hydrochloride
U222	o-Toluidine hydrochloride
U223	Benzene, 1,3-diisocyanatomethyl- (R,T)
U223	Toluene diisocyanate (R,T)
U225	Bromoform
U225	Methane, tribromo-
U226	Ethane, 1,1,1-trichloro-
U226	Methyl chloroform
U227	1,1,2-Trichloroethane
U227	Ethane, 1,1,2-trichloro-
U228	Ethene, trichloro-

EPA HAZARDOUS WASTE CODES

Code	Waste description
U228	Trichloroethylene
U234	1,3,5-Trinitrobenzene (R,T)
U234	Benzene, 1,3,5-trinitro-
U235	1-Propanol, 2,3-dibromo-, phosphate (3:1)
U235	Tris(2,3,-dibromopropyl) phosphate
U236	2,7-Naphthalenedisulfonic acid,3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis[5-amino-4-hydroxy]-, tetrasodium salt
U236	Trypan blue
U237	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-
U237	Uracil mustard
U238	Carbamic acid, ethyl ester
U238	Ethyl carbamate (urethane)
U239	Benzene, dimethyl- (I,T)
U239	Xylene (I)
U240	2,4-D, salts & esters
U240	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters
U240	Dichlorophenoxyacetic acid 2,4-D
U243	1-Propene, 1,1,2,3,3,3-hexachloro-
U243	Hexachloropropene
U244	Thioperoxydicarbonic diamide [(H2N)C(S)]2S2, tetramethyl-
U244	Thiram
U246	Cyanogen bromide (CN)Br
U247	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-
U247	Methoxychlor
U248	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations of 0.3% or less
U248	Warfarin, & salts, when present at concentrations of 0.3% or less
U249	Zinc phosphide Zn3P2, when present at concentrations of 10% or less
U271	Benomyl
U278	Bendiocarb
U278	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate
U279	Carbaryl
U279	1-Naphthalenol, methylcarbamate
U280	Barban
U280	Carbamic acid, (3-chlorophenol)-, 4-chloro-2-butynyl ester
U328	Benzenamine, 2-methyl-
U328	o-Toluidine
U353	Benzenamine, 4-methyl-
U353	p-Toluidine
U359	Ethanol, 2-ethoxy-
U359	Ethylene glycol monoethyl ether
U364	1,3-Benzodioxol-4ol, 2,2-dimethyl
U364	Bendiocarb phenol
U367	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-
U367	Carbofuran phenol
U372	Carbamic acid, 1H-benzimidazol-2-yl, methyl ester
U372	Carbendazim
U373	Carbamic acid, phenyl-, 1-methylethyl ester
U373	Propham
U387	Carbamothiocic acid, dipropyl-, S-(phenylmethyl) ester
U387	Prosulfocarb
U389	Triallate
U389	Carbamothiocic acid, bis (1-methylethyl)-, S-(2,3,3-trichloro-2propenyl) ester
U394	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo, methyl ester
U394	A2213
U395	Diethylene glycol, dicarbamate
U395	Ethanol, 2, 2;-oxybis-,dicarbamate
U404	Ethanamine, N, N-diethyl-
U404	Triethylamine
U409	Thiophanate-methyl
U409	Carbamic acid, (1,2-phenylenebis (iminocarbonothioyl)]bis-, dimethyl ester
U410	Ethanimidothioci acid, N, N'-(thiobis[(methylimino)carbonyloxy])bis-, dimethyl ester
U411	Propoxur
U411	Phenol, 2-(-1-methylethoxy)-, methylcarbamate

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APPENDIX E

STATE GUIDANCE

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STATE GUIDANCE

The Environmental Protection Agency, Office of Solid Waste provides guidance to the implementers (States and Regions) to determine which reported waste should be included in the National Hazardous Waste Biennial Report (NBR). It is the responsibility of each implementer to determine which sites and wastes should be included in the NBR. Implementers indicate which sites and wastes are to be included in the NBR by setting "include in national report" flags. These flags exist at both the site level and waste level. Implementers may submit sites and waste streams that are not included in the NBR. An implementer's complete submission, regardless of whether the site and/or waste stream is marked for inclusion in the NBR, is stored in RCRAInfo.

A site should be included in the NBR if that site was a Large Quantity Generator (based on the federal definition) or a Treatment, Storage or Disposal Facility (TSDF) in calendar year 2005, regardless of the site's current generator and/or TSDF status. The Site ID Form generator status boxes (Item 10.A.1.a, b, or c) and TSDF status box (Item 10.A.3) indicate the site's generator status and TSDF status on the date that the biennial report submission was certified (Item 13). It is possible that a site's generator and/or TSDF status was different in calendar year 2005 than it was at the time of the biennial report submission certification.

Once a site is determined to meet the criteria for inclusion in the NBR, each waste stream reported by that site should be reviewed to determine whether that waste should be included in the NBR. Items to review include: 1) foreign exports, 2) on-site management without a RCRA permit, and 3) wastewaters.

The *2005 Hazardous Waste Report Instructions and Forms* says "RCRA hazardous wastes exported directly to a foreign country **should not be reported** on Form GM. Rather, hazardous waste exports should be reported on the Annual Report required under 40 CFR 262.56." Some implementers require reporting of wastes exported to foreign countries. In these cases, waste shipped off-site to foreign countries should be marked for inclusion in the NBR.

Treatment, storage and disposal activities generally require a federal RCRA permit allowing a site to conduct various TSD activities. However, there are treatment and recycling activities that do not require a RCRA permit. Regardless of whether the TSD activity requires a RCRA permit or not, the management of this waste should be included in the NBR.

In general, wastewaters should be excluded from the NBR. Characteristics that often identify wastewaters include the following form codes and/or management methods.

Form Codes:

W101 Very dilute aqueous waste containing more than 99% water
W105 Acidic aqueous wastes less than 5% acid
W113 Other aqueous waste or wastewaters

Management Methods:

H071 Chemical reduction with or without precipitation
H073 Cyanide destruction with or without precipitation
H075 Chemical oxidation
H076 Wet air oxidation
H077 Other chemical precipitation with or without pre-treatment
H081 Biological treatment with or without precipitation

H082 Adsorption
H083 Air or steam stripping
H121 Neutralization only
H122 Evaporation
H123 Settling or clarification
H124 Phase separation
H129 Other treatment
H135 Discharge to sewer/POTW or NPDES

The *2005 Hazardous Waste Report Instructions and Forms* contains the following additional instructions regarding the reporting of wastewaters:

> Following are the materials and wastes addressed under 40 CFR 261.4(a) and (b) and 261.5(c), which **should not be reported** on Form GM:
>
> - Materials which are excluded from being a solid waste, e.g., any mixture of domestic sewage and other wastes that pass through a sewer system to a publicly owned treatment works (unless they are stored or treated in regulated units prior to being discharged). (40 CFR 261.4(a))
>
> - Wastes managed immediately upon generation only in on-site elementary neutralization units, wastewater treatment units, or totally enclosed treatment facilities as defined in 40 CFR 260.10. (40 CFR 261.5(c)(2)) **Any hazardous waste residues generated from these units, however, must be reported on Form GM.**

Wastes exhibiting wastewater characteristics (i.e., form code of W101, W105, or W113) that are managed via deepwell or underground injection (H134) should be included in the NBR.

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UNITED STATE ENVIRONMENTAL PROTECTION AGENCY
SOLID WASTE AND EMERGENCY RESPONSE (5305P)
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